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HEMIST and DRUGGIST SEPTEMBER 8, 1945

The
CHEMIST AND DRUGGIST
for RETAILER - WHOLESALER - MANUFACTURER

blished 1859 28 Essex Street, Strand, London, W.C.2 Registered as a Newspaper

3422
CXLIV SEPTEMBER 8, 1945 Annual Subscription (with Diary) 25/-. Single Copies 9d.

An M&B Counter Product

Pl

'Planacrine' BRAND

Euflavine Lozenges

Boxes of 40 lozenges - 1s. 6d.
(Purchase Tax 2d.)

Supplies of the above product are now freely available and all demands will be met.

MANUFACTURED BY
MAY & BAKER LTD.

DISTRIBUTORS
IARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD., DAGENHAM

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✓ Sodium Salicylate B.P.

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✓ Acetylsalicylic Acid B.P.

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VICTORIA STATION HOUSE, LONDON, S.W.1

Under present conditions, availability of some products may be somewhat restricted; but we are always glad to advise on the current position.

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ANALGESIC OINTMENT

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IN TUBES OF ¾ OZ. 3/6, P.t. 5d.

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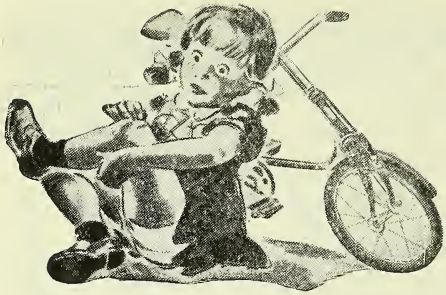

for troubles

that are skin deep

Abrasions, minor cuts and skin irritations heal ost satisfactorily when treated promptly with a soo ng, antiseptic dry dressing such as 'B.F.I' powder. his finely milled preparation has excellent spreading nd clinging properties as well as the proper degr of astringency necessary to reduce excessive secretion. is easily applied.

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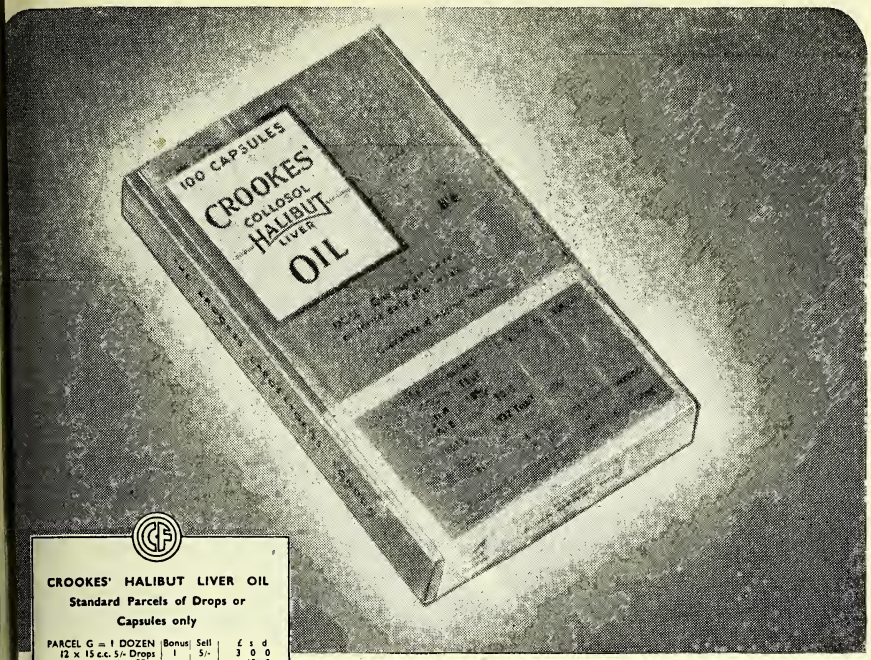

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Designed originally to overcome wartime manufacturing and transport difficulties, this new pack has emerged as one that looks really well on the counter (an important sales-building factor) and is handy for the pocket and handbag.

This new pack is now included in our 'L' and 'M' bonus parcels only, but it will become increasingly general as existing stocks of the old packing are consumed.

Crookes' Halibut Oil

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and

BENGER'S LTD., HOLMES CHAPEL, CHESHIRE

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Cephos REGD

Pronounced See-foss THE PHYSICIANS' REMEDY

EPHOS LTD BLACKBURN. P.A.T.A

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FOR THE PREVENTION & TREATMENT OF COLDS

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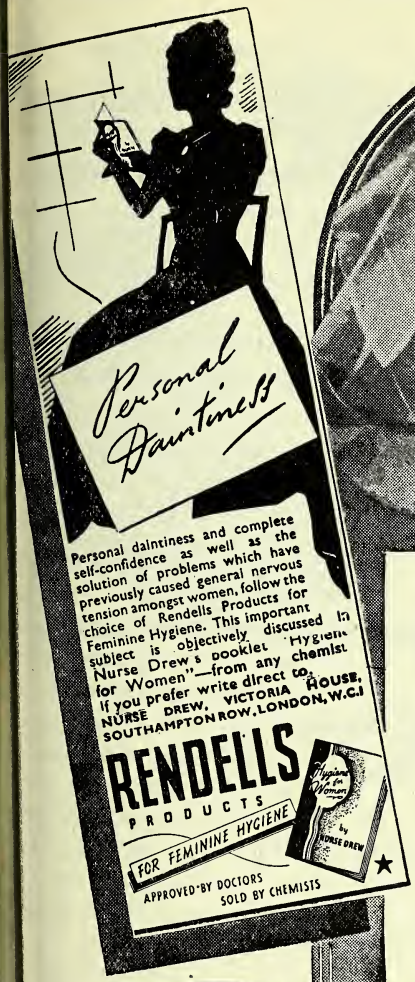
URILLAC

Relieves Pain Quickly

12 Tablets 8½d. - 25 Tablets 1 d.

THE URILLAC COMPANY LIMITED. RAWDON, LEE



Be guided by NURSE DREW

Every woman knows the familiar face of Nurse Drew. Women's magazines, national newspapers and periodicals of every kind carry Rendells announcements regularly. Display Rendells show material prominently and share in the wide-spread demand for Rendells products.

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PRODUCTS

FOR FEMININE HYGIENE

P.A.T.A

J. RENDELL LTD. · HARDWICK HOUSE · 161-5 ROSEBERY AVENUE · LONDON E.C.1

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FACTORS
which make for
SUCCESS

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. . . TECHNICAL KNOWLEDGE & SKILL

. . . SCIENTIFIC PRODUCTION FACILITIES

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The outstanding attributes of

ARTHUR H.

COX

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MANUFACTURING CHEMISTS
BRIGHTON

Change of Address

ALFRED BISHOP LIMITED

beg to announce to the Trade that on and after 14th SEPTEMBER, 1945, their new and ONLY address will be

74 GARDEN WALK CAMBRIDGE

Please make a note of this addres for all communications. All good and returned empties should als be sent to Cambridge.

ALFRED BISHOP LIMITED regre being compelled to move out o London where they have bee established for so many years, bu no suitable factory accommodatio could be found there. Their ne premises will permit of consider able expansion of their business and as more labour and supplie of essential materials become avail able their output will retur correspondingly to pre-war scale

ALFRED BISHOP LIMITED tak this opportunity of expressin their keen appreciation of th co-operation and assistance ac corded them so generously b their Suppliers and friends in th Wholesale and Retail sections c the Trade during the difficult wa years.

92 King's Avenue
Clapham Park
London, S.W.4

JUST OFF THE PRESS

We take pleasure in announcing the issue of our latest Price List of Pills and Tablets including as it does almost all formulas in demand for both counter sale and dispensing purposes.

(Copies available—Price 1d.)
(Control of Paper Order)

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AN ANTI-CORYZA VACCINE FOR ORAL ADMINISTRATION

prepared from

SYMBIOTIC BROTH CULTURES

Bacillus Influenzae (*Pfeiffer*). Anaeromyces bronchitica.
Influenza Streptococcus (*Thomson*). Pneumococci (*several types*).
Haemolytic Streptococci. Micrococcus catarrhalis.
Staphylococcus aureus.

Antiseptic Content 0·25% + Aq.Chlorof.

On P. A. T. A. terms

Literature available on request.

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CALMIC LIMITED, WESTHOUGHTON. LANCASHIRE

A FIRST-CLASS SELLING LINE..

ORIGINAL PACK

It's RIGHT. It's a CALTHORPE PRODUCT

NATURE'S RESTORATIVE

NEW PACK
No Bottle Charge
No Returned Empties

NON-ALCOHOLIC
Suitable for children and adults.

5/- large bottle & 3/- small bottle

WAR-TIME PACK

VIRONITA
VYRO-NIGHT-A
M. CALTHORPE & CO., LTD., Mfg. Chemists, OSSETT

"RED CLUB BRAND"

FINE SOLUBLE ESSENCES

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ESSENTIAL OILS

"NIAGARA" BRAND CULINARY FLAVOURS

BARNETT & FOSTER LTD.
Essence Distillers since 1895

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For TEETHING TROUBLES
Constipation, Feverishness,
Disturbed Stomach
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Infants and Children
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P.A.T.A.

XTENSIVELY ADVERTISED
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ET IN A STOCK AT ONCE
YOU RUN NO RISK
SALE IS GUARANTEED
Your Wholesaler Can Supply

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FOR INDUSTRIAL WELFARE

FOR HEAD LICE
CELETANE (Regd.)
Medicated (Lethane) Hair Oil—N.W.F.
Undetectable in use. Rapidly effective.

FOR SCABIES
BENZELIA (Regd.)
Benzyl Benzoate—25%
An emulsion of high efficiency, extremely effective in the treatment of this infestation.

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KINGSTON 1234 (5 lines)

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LIMITED

cvs-37b

The House for
TABLETS & PILLS
We manufacture a complete range and supply packed or in bulk... Also we make to private formulæ.
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BULK TABLETS
including
N.F. and N.W.F. lines
supplied in convenient quantities from 100 upwards

The **COOPER** *Laboratory Ltd*
THE SPECIALIST HOUSE
WATFORD

MANOIDS
NEVROIDS
IRICURE TABLETS
OCCASIONAL PILLS
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and all Sundries Houses

We manufacture . . . every variety of
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We can give deliveries on time and invite enquiries
The DALES ASPIRIN CO. (PROPRIETOR H. A. TOLKIEN)
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Do you inhale?

No, we don't mean smoke. We mean something special, something so effective and simple that it soon becomes a quick and regular sale once you introduce it.

We refer of course to

MASCOT
(T. M. Regd)
LIQUID INHALANT

Mascot Laboratories, 55 South Methven St., Perth, Scotland.

P.A.T.A.

If You're out of One
Recommend the Other

In these days, when, do what we [illegible]ll, we cannot always cope with dem[illegible]d, there is an added advantage in the [illegible]vo Parmints.

At the moment the ready for [illegible]se Parmint Syrup is in short supply. I[illegible]ou are temporarily out of stock, re[illegible]m-mend your customers to take a b[illegible]tle of the Parmint Concentrated Essen[illegible].

All our press advertising features [illegible]th Parmints and mentions their prices.

CHEMISTS FORMULA

INTERNATIONAL LABORATORIES LTD.
Charlbury - Oxford

P.A.T.A.

PEROX CHLOR

Keenes Laboratories Limited will be glad if chemists who were selling Perox Chlor before the war and who now have a difficulty in getting reasonable supplies will write direct to their office at 46 Elswick Rd., Newcastle-on-Tyne 4

CUSTOMERS KNOW.

There is something to be said for Herbalene, [illegible] fine of natural laxatives with amazing tonic prope[illegible]s.

1. Herbalene is entirely natural in both co[illegible]sit[illegible] and action. . . .
2. Herbalene conforms to nature-cure pri[illegible]es—gentle, non-habit-forming. . . .
3. Herbalene is approved and recommend[illegible] by doctors advocating natural methods of hea[illegible] . .
4. Herbalene is safe for young and old. . . .
5. Herbalene succeeds where other "r[illegible]die[illegible] fail. . . .

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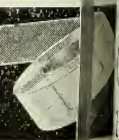
Inquire of your wholesaler or direct from:—
LUSTY'S NATURAL PRODUCTS C[illegible]
278-280 London Road, Westcliff-on-Se[illegible] Ess[illegible]

MILLAMALT *The* VITA[illegible]
MALT FOO[illegible]
With Vitamins (A 6,500 I.U., D[illegible] per fl. c[illegible]

Sole Manufacturers.
JEFFREYS, MILLER & Co. Ltd. Leyland Mills, WIGAN. London Dept. 19 Brooksid[illegible]

TRANSOTAPE
THE MODERN INDISPENSABLE SELF-ADHESIVE CELLULOSE TAPE
Available only for priority & essential requirements
JOHN GOSHERON & CO. LTD., GAYFORD ROAD, LONDON, W.12.



CONCENTRATED

OXO

A Superb Beeftea

Beeftea, made from Concentrated OXO, contains the physiological stimulants of beef which aid assimilation, promote muscular activity and act as restoratives in debility.

Concentrated OXO
contains 0.5-0.6*Mg/Gm of the Vitamin Niacin*
(*References: Drummond & Moran, Nature* 1944, 153, 99, *Frankau, BMJ,* 1943, 11, 601).

Dr. J. Collis Browne's Chlorodyne
and
The Pharmacy and Poisons Act, 1933

Dr. J. Collis Browne's CHLORODYNE

SALE RESTRICTED TO REGISTERED CHEMISTS

PURCHASER'S SIGNATURE NOT REQUIRED

Sole Proprietors:
J. T. DAVENPORT LTD.
UNION ST., LONDON, S.E.1

P.A.T.A.

PARIVITAN
VITAMIN TONIC

IS NOW ALSO ISSUED
IN THE FORM OF

TABLETS

for prescription and counter sale

issued
Bottles of 30 and 100
retail at **2/6** *and* **6/2** *inc. tax*

GEDEON RICHTER (G.B.) Ltd.
WEEDINGTON ROAD, LONDON, N.W.5

★

Take the short cut!

★

This may well be Britain's hardest winter, from the food point of view. Nevertheless, no one need go short of fats and vitamins, because there is now plenty of home-produced SevenSeaS.

But supplies must be where the public can get them — in the shops. Last winter many dealers had to refuse custom because supplies had not reached them, though there was no shortage of the oil itself. Transport and manpower difficulties were to blame, and these are not likely to be greatly eased in the near future.

Take the short cut — via our Direct Delivery Service. That way, you get supplies with the minimum of delay. Orders are sent direct from our Hull refinery to you, and charged through your usual wholesaler.

SevenSeaS advertising starts in September

September will see the start of a widespread press advertising campaign. These advertisements will remind the public that SevenSeaS — a far richer natural source of fats and vitamins than butter or new laid eggs — is the only unrationed priority food they will be able to buy this winter.

This advertising, plus the public's undoubted awareness of the great nutritive value of cod liver oil, is likely to start a very early demand for SevenSeaS. We urge you to order in good time. Please write direct to us for order forms.

STANDARD OIL: Vitamin A 20,000 *I.U.; Vitamin D* 2,500 *I.U. per ounce.*
CONCENTRATED: Vitamin A 60,000 *I.U.; Vitamin D* 6,000 *I.U. per ounce.*

Issued by

BRITISH COD LIVER OIL PRODUCERS (HULL) LTD.
ST. ANDREW'S DOCK, HULL

Makers of

SevenSeaS

D.D.D. BALM

in free supply

D.D.D. Balm, the new non-greasy and antiseptic ointment for skin troubles, is in free supply. It is supported by a wide advertising campaign, and is having a popular reception from the public, among whom are many old friends of the liquid D.D.D. Prescription. This non-greasy, antiseptic and healing balm encourages the elimination of any pus and hastens the natural process of healing. The preparation is one you can confidently recommend, it is an assurance of steady profitable business.

TRADE TERMS:
16/- per dozen
Pur. Tax 2/8 per doz.
Inclusive Retail Price 2/- per jar.

SHOWCARDS— *are available to those who stock D.D.D. Balm.*

D.D.D. CO., LTD.
3 FLEET LANE, LONDON, E.C.4

"It's up to us to keep fit"

That's what

YESTAMIN

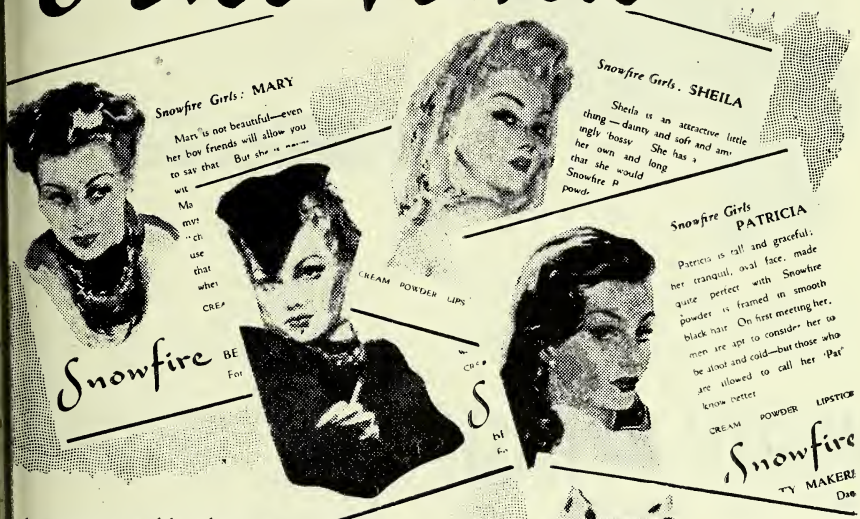
Advertising is saying to your customers

It's up to you—

to ensure that sufficient stock of YESTAMIN Vitamin Yeast Tablets, 100 for 1/1½d., 300 for 3/-, are available to meet increased demand.

The English Grains Co. Ltd., Burton-on-Trent

Face Value



Advertisements like these —as well as some thousands of posters covering the British Isles—are telling women everywhere that Snowfire Beauty Makers still lead in face value. These striking advertisements and the compelling posters are keeping alive the goodwill of the Snowfire name so that these famous beauty preparations will be even more profitable to you when supplies are again unrestricted.

Snowfire

BEAUTY MAKERS

W. HAMPSHIRE & CO. LTD.

The name upholds *your* reputation for stocking the best . . . . a point to remember when normal supplies again become available.

NORTH BRITISH

RUBBER CO. LTD. EDINBURGH & LONDON

RW/HW4

Forgive us if the widespread demand sometimes makes us keep you waiting for your supplies.

The farther ahead you can order the better will your wholesaler be able to supply you on time.

JUNO-JUNIPAH

Health Salts

T. MARNS, LTD.

123 Coldharbour Lane, London, S.E.5

Phone : Brixton 4019

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KEARSLEY'S

THE ORIGINAL

WIDOW WELCH'S FEMALE PILLS

● **9d. BOX PROFIT** by ordering 1 dozen 2/10 size. Bonus box given on every dozen (13). It pays to push this size.

C&G. KEARSLEY LT

71 · DARTMOUTH RD · LONDON · S

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CATHETERS, AIR CUSHIONS
W.S. PESSARIES
COMBINATION FLUID PESSARIES
RUBBER URINALS
HYPODERMIC NEEDLES AND SYRINGE
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SURGICAL DRESSINGS, Etc., Etc.

Personal attention given to all "Specia

DONALD WAYMARK

253 KINGSLAND ROAD, LONDON,

Clerkenwell 8576

ELMBALM *Brand*

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● **In steady demand** ● **Stocks availabl**

● **Dont miss Sales**

For Special Terms write: **Elmbalm Pharmaceut Specialities Co., Knott-End-on-Sea, Lancs.**

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17 Sizes to fit variou types of machines

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120 Gloucester R LONDON, S.

Adapted for Headache, Neuralgia and other powders

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THE WONDER WOO

★ ***Cleans as it Polishes***

THE MODERN METHOD OF CLEANING

Gold, Silver, Electro Plate, Chromium, E

USED BY ALL LEADING SILVERSMITHS

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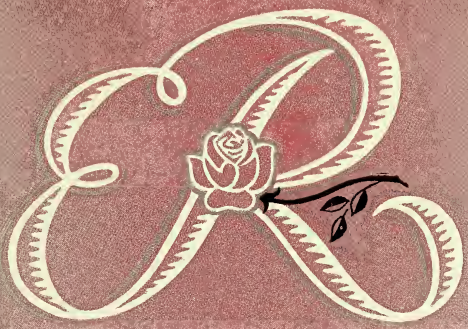

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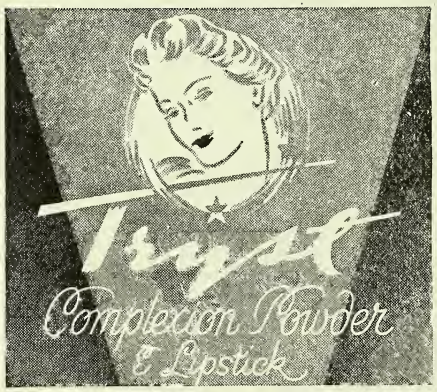
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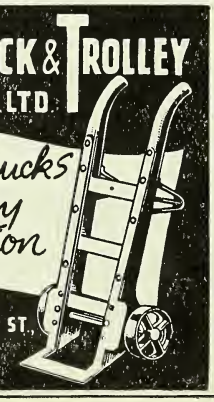

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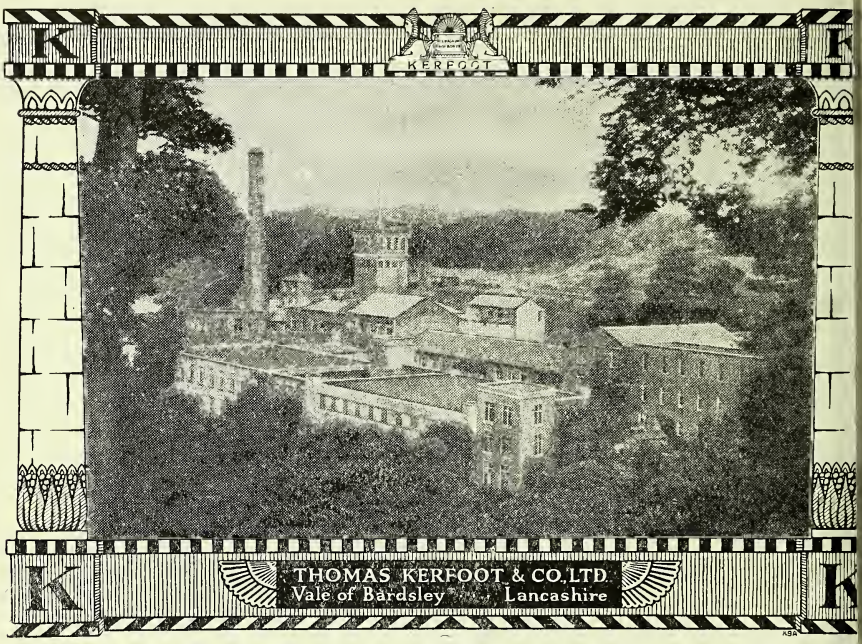

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NEWS OF THE WEEK

nd of Summer Time.—The Government reviewed the various considerations nected with the date on which summer e should end this year, and has decided to continue it during the coming winter. nmer time this year will end early on the rning of Sunday, October 7, as would e been the case before the war.

Iineral Oils in Cooking Warning.—od manufacturers are warned by the istry of Food that, in the interests of lth, the use of mineral oil as an ingredient ood is both undesirable and illegal. The of mineral oil for greasing tins and pes in such quantity as to cause detect- e amounts to be absorbed by the tents is open to the same objection.

uinine Salts in Cardiac Arrhythmias.—Ministry of Health states that the lical Research Council has suggested that diologists might give further trial to the of quinine salts in the treatment of car- arrhythmias. Salts of quinine have viously been used in these conditions, ugh without notable success, but it is essary to make renewed efforts because, despite the ending of the war with Japan, it is understood from the Ministry that no larger quantities of quinidine will be available for at least twelve months.

Release of D.D.T.—The Ministry of Supply announces that D.D.T. is still wanted in large quantities for the protection of British troops in Europe and Asia from typhus and malaria. Although it has been possible to cancel certain Army contracts for stores containing D.D.T., material so saved has to be diverted to other Service uses. Until the Armies in the field are substantially reduced, therefore, most of the D.D.T. now being produced in this country will be shipped overseas. For some considerable time, however, the Ministry of Supply has arranged for the trade to have sample quantities with which to carry out experimental work and to develop prospective markets. Arrangements have now been made for the release of D.D.T. on a small scale for the manufacture of insecticides for general sale but primarily for export. Distribution will be through the normal trade channels.

Nottingham Branch Outing.—About eighty members and friends of the Nottingham Branch of the Pharmaceutical Society accompanied the chairman (Mr. W. Lee) and his wife by bus to Dove Dale, Derbyshire, on August 23. The return journey was made by way of the Via Julia and Ripley.

Employee Pharmacists' Meeting.—At a meeting of the N.P.E.U. executive on August 16, it was decided that the Union was in sympathy with the formation of a Professional Employee Pharmacists' Association and would strongly urge all employee pharmacists to attend a meeting called for September 20 at Conway Hall, London, W.C.1.

London Chemists' Golfing Society.—The first meeting to be held for five years has been arranged to take place at Finchley Golf Club, Nether Court, on September 19. The captain (Mr. F. Eric Lever) has presented a prize for a bogey competition, and it is expected that members and other chemist-golfers will welcome this opportunity of displaying their skill. The Society hopes to resume full activities next year.

Pharmaceutical Society of Ireland.—The closing date for receiving nominations for the Council election of the Pharmaceutical Society of Ireland is September 17, the election taking place on October 1. The seven members of the present Council who are due to retire by rotation are the vice-president (Mr. J. K. Whelehan, Mullingar); and Messrs. J. P. Kissane, Tipperary; E. J. McSweeney, Cork; P. Brooke-Kelly, Enniscorthy; M. Costelloe, Dublin; T. C. Scott, Dublin; and W. G. Cunningham, Dublin.

Manchester Golf.—The Manchester and District Golfing Society played a competition for a prize presented by E. Griffiths Hughes, Ltd., at Stockport Golf Club on August 22. The competition was decided by the Stableford system. Three players tied with 36 points each—J. H. Taylor, A. E. Stubbs, and C. Finney. The prizes were awarded on the best score for the first nine holes:—J. H. Taylor, winner, Griffiths Hughes prize; A. E. Stubbs, second prize.

Mobile Penicillin and D.D.T. Exhibition.—A penicillin and D.D.T. exhibition train is touring the West Country, South Wales and the Midlands, after commencing its journey at Minehead, Somerset, on September 4. The exhibition was opened at Paddington Station, London, the previous day, and has been made possible through the courtesy of the Great Western Railway in placing t coaches at the disposal of St. Mary's H pital, Paddington. It is hoped that exhibition will be successful in raising fu for rebuilding of the hospital (picture 255).

South African Shipping.—South Afr House and the shipping companies st that the shipping position is much eas and exporters are being urged to apply the Conference lines for registration of goods ready for shipment to South Afr whether covered by certificates of ess tiality or not. In applying for registrati cargo without priority rating should referred to as "unrated cargo." For present the priority system remains in fo for certain goods, but unless unfores developments occur there is every likelih of shipping space being readily availa for all cargo offering.

Anglo-French Property Agreement.— agreement has been signed between H Government in the United Kingdom a the Provisional Government of the Fre Republic to facilitate the restoration money and property in each coun belonging to persons resident in the ot country, which has been subject in United Kingdom to the control of Custodian of Enemy Property, and France to analogous regimes by reason of enemy occupation of France. The text the agreement will shortly be published a White Paper, and appropriate announ ments will be made at any early date regards the procedure to be followed persons affected. Creditors should m their own arrangements to obtain paym of money owing to them from Fran unless the debtor can establish that it been collected or put under a special regi

D.D. World Requirements.—The Narc Convention of the League of Nations recently given details of the estima world requirements of dangerous dr for 1945. Only fifty-one out of seventy- countries and eighty out of 106 territo furnished estimates as requested. Estima of the requirements of these countries a territories have been included in the C vention's total. The figures for the Uni Kingdom are: morphine, 1,237 kilos use as such and 4,846 kilos for conversi heroin, 83 kilos, cocaine, 392 kilos, a codeine, 1,814 kilos; Canada, morphi 144 kilos and 212 kilos for conversi heroin, 29 kilos, cocaine, 56 kilos, a codeine, 850 kilos; United States, morphi 2,250 kilos, and for conversion, 13,

los; heroin, nil; and codeine, 11,250 los.

Irish Chemists' Sport.—The Irish Chem-s' Camogie Club is making arrangements r the coming season and invites all ladies the profession who play camogie to mmunicate with Miss Cora Gaffney, c/o Reilly's Pharmacy, 17 Upper Merrion reet, Dublin (telephone 62260). The emists' G.A.A. Club, with a few matches t to play, is well in the running for termediate League honours. To date ly one match has been lost out of the ht played. During the season now ening the Club hopes many pharmaceuti- players at present attached to other bs will transfer to the club of their own ofession. This should result in the emists having one of the strongest ms in Dublin. Cremore Cricket Club, asnevin, Dublin, of which Mr. William Such (managing director, Evans Sons cher & Webb (Ireland), Ltd.) is presi-nt, has won the junior cup this season.

Training in Export.—To provide a basic ndard of proficiency in export matters Institute of Export has prepared an icational syllabus which is the result of lve months' work by its education nmittee. The syllabus has been approved the council of the Institute, by the leration of British Industries and by commercial and technical colleges at ich it will be mainly operated. The jects covered include commerce and ort trade; use and interpretation of ounts; export practice; economic geo-phy; economics; finance of exporting; thods of marketing and market research; ments of statistics; and mercantile law. urses are being arranged in London and important provincial centres during the ning autumn and winter, and there will be an approved correspondence course, narily for Forces personnel unable to end an educational centre. Many men reserved occupations and in the ces have already qualified under a war-e modified syllabus, or are studying for examinations to be held in December 5 and May 1946.

New Comb Prices and Regulations.—The ard of Trade after consultation with the tral Price Regulation Committee has de a new Order replacing S. R. & O., 3, No. 1204. Fixed maximum prices for nufacturers and distributors of moulded, -cut, and twin-cut dress combs and dust bs are substituted for the previous ginal control. Maximum selling prices have also been fixed for vulcanite combs, saw-cut combs of 5 mm. and over in thickness, and for combs for wear other than those ornamented by imitation jewellery and stones. Such ornamented combs for wear, combs made of metal, horn, ivory and tortoiseshell, and combs for use on animals, remain subject to the cost-plus provisions laid down in the previous Order and repeated in the new Order. Most of the new prices (not yet published) are lower than the ceiling prices for similar combs in the previous Order, and the new Order provides that where a comb is sold with a case, the price of both must not exceed the maximum price for the comb alone. Manufacturers and wholesalers are now required to notify their customers of the maximum prices of the combs they sell, and retailers must display a notice stating that a list of their maximum selling prices is available to be shown to customers on request. The new prices and regulations come into operation on September 25.

Private Trade with Denmark.—Normal commercial relations between Denmark and the United Kingdom can now be resumed, and trade can be handled through private channels. The Danish Government is prepared to consider the issue of import licences to private traders for the import of goods, with a few exceptions, into Denmark. United Kingdom exporters wishing to sell goods to traders in Denmark should apply to the Export Licensing Department of the Board of Trade in the normal way, if the goods are subject to export licensing. Payment both for United Kingdom exports and for imports from Denmark will be made in sterling or Danish kroner through banking channels. The issue of a Danish import licence carries with it authority for the provision of the necessary sterling exchange payment of the United Kingdom exporter. Application for shipping space for export to Denmark should be made in the normal way to the shipping agencies, which will accept traffic up to the limit of available space. The normal Export Credits Guarantee Department facilities are available. Import licences are required for all goods imported into the United Kingdom from Denmark on private account which do not come under an open general licence. The position with regard to the issue of licences is, in general, similar to that governing imports on private account from other overseas countries. Import licences are not normally granted for food, the import of which continues to be conducted by the Ministry of Food.

LEGAL REPORTS

Theft from Van.—The story of an alleged plot to pretend that a van-load of goods had been stolen and to deliver them at a drug-store owned by two brothers, resident in Hornsey, instead of at the Surbiton address for which they were intended, was told at Clerkenwell magistrates' court on August 30, when Cyril Cohen, described as a traveller, 105 Wigan House, Warwick Grove, Clapton, London, E.5, was sentenced to three months' imprisonment and Arthur Stanley Todd, lorry driver, 224 York Way, Islington, N.1, was sentenced to one month's imprisonment for having been concerned with others not in custody in stealing eighty-eight cartons of sanitary towels, value £178, from a motor van in Camden High Street, N.W.1, on August 17. Evidence was given that the cartons were loaded on to a van of which Todd was the driver, for delivery on behalf of Lilia, Ltd., the manufacturers, to an address at Surbiton.

Todd later reported to the police that the van and its load had been stolen, and information came to light that the cartons had been delivered at a drug-store at Hampstead Road. Harold Cyril Hartley, 142 Stroud Green Road, Hornsey, said that he and his brother Percival carried on drug-stores at three addresses, one of which was at Hampstead Road. About a month previously Cohen, giving the name of Cyril Collins, visited the shop on the introduction of a representative of a well-known business house. Witness was given to understand that Cohen represented a certain wholesaler, and he ordered cosmetics, which were duly delivered and properly invoiced. Cohen afterwards told witness he could get him a supply of Lilia sanitary towels and the goods were delivered on August 17, in a plain van. Witness did not recognise anyone in court as the driver of the van. He signed a delivery note and was told that the invoice would follow. He paid Cohen £216 in notes, less a few pounds in adjustment of the previous transaction, and understood that the delivery had been made on behalf of the same wholesalers and that Cohen was receiving it on their behalf.

A detective said he interviewed Cohen and questioned him about the matter. Cohen said "It was a perfectly legitimate business deal." In a statement he said he was formerly a buyer for a certain firm and came into contact with various carmen who were delivering goods, including Todd. The latter said that he was employed Lilia, Ltd., who had sanitary towels dispose of. He (Cohen) denied that it obvious to him that the carman dealing in stolen goods. A statement Todd was read, in which he said t Cohen pressed him to "make a large sun money for himself" by getting "ex stuff" for disposal. The magistrate said was satisfied that Cohen was the tem and that he had persuaded Todd to beh in a dishonest way.

No Qualified Man in Shop.—Bewells, L 21 Pitfield Street, Hoxton, were summo for unlawfully selling by retail, at a sho Leather Lane, London, E.C., a po (morphine) contained in a bismuth magn soda mint elixir and a loganberry co syrup. Counsel for the Pharmaceut Society stated that the defendant comp was an authorised seller of poisons and been in business for many years. On J 12 an inspector visited the shop at Lea Lane and found that there was no quali pharmacist in charge; he warned unqualified person. On June 15 an a of the Society visited the shop as ordinary member of the public, and m the purchases that formed the subjec the present summonses. It was right mention that a young woman was in ch of the shop at the time, but the medic were actually sold by a youth of sevent "Much has been said, and will no doub said in the case, about the difficult obtaining the services of qualified m remarked counsel. "In this case, i significant that on the day following visit a qualified person was obtained, ar still, so far as I know, in charge of the sh He pointed out that the legislation u which these proceedings were brought entirely in the interests of the pu Defendants' solicitor said the branch been under the charge of a qualified che who was a director of the company. was away ill and, in fact, had been a for four days prior to the offence. company was faced with the alternat of closing down or carrying on with inst tions that no sale was to take place cont to the law. Unfortunately, they were down by the boy. The young lady who actually in charge was capable and had employed by the defendants for some y She had a knowledge of dispensing, b was not she who made the sale. A of £2 was imposed in respect of each o two summonses, with £5 5s. costs.

TOPICAL REFLECTIONS

'he Future of Patents

The recommendations of the Chartered nstitute of Patent Agents concerning atents of enemy or ex-enemy origin p. 216) will no doubt be studied with ttention by many of your readers. During he past thirty years (to go back no further) ur legislature has devoted considerable ime to the intricacies of this important ubject, and it would be easy to fill an sue of THE CHEMIST AND DRUGGIST with n account of the changes made during hat period in the law of patents. By lancing at the position immediately following the war of 1914–18, we may, I think, etter envisage present problems. The iscussions that then took place in Parliaent and elsewhere centred around a atents and Designs Bill which became an ct on December 23, 1919. As you pointed ut at the time, the Bill did not differ much om its predecessor of 1917. Three of its atures are relevant to the situation that nfronts patentees in 1945. The first ature is a provision for loss or damage ising from war conditions: "Where by ason of hostilities . . . the patentee as ich has suffered loss or damage (including ss of opportunity of dealing in or developg his invention owing to his having been gaged in work of national importance . .) an application under this section may e made [in the prescribed manner]." he second feature deals with the national se of selected patents. Section 8 states, *ter alia*: "Provided that any Government epartment may by themselves or by ich of their agents, contractors, or others may be authorised in writing by them at ny time after the application, make, use, exercise the invention for the services the Crown on such terms as may, either efore or after the use thereof, be agreed on, ith the approval of the Treasury, . . . or . . as may be settled in the manner reinafter provided."

pplications by Enemies

Less attention seems to have been paid 1919 to the third feature, the methods frustrating the schemes of pachydermaus applicants from enemy or ex-enemy untries. During the war then just ended e following trade marks had been avoided" in this country: Aspirin, formaint, glycin, lysol, metol, rhodamine, natogen, urotropin. A few others had en suspended. Many patentees, actual d potential, were naturally anxious about the safeguarding of their rights. In the Act of 1919 the process of expunging a trade mark from the register was simplified; and there was a further intimation, in Article 306 of the Peace Treaty with Germany, of value to any British and allied subjects concerned. That article reserved the right of each of the Allied or Associated Powers "to treat as void and of no effect any transfer in whole or in part of or other dealing with rights of or in respect of industrial, literary, or artistic property effected after August 1, 1914, or in the future, which would have the result of defeating the objects of the provisions of this article." From a news item in your issue of June 5, 1920, it appears that the Board of Trade had lately been informed of arrangements concluded between German nationals and "other persons" (unnamed) regarding industrial and other property: hence the warning then issued. In consideration of these facts, it may be hoped that British patentees will in post-war years be able to obtain the full use of their rights without hindrance and without unnecessary formality.

Opium Poisoning

In his interesting "Short History of Opium" (p. 204) Mr. J. Ross-Mansell glances at cases of poisoning by this drug and its principal alkaloid. How early the susceptibility of very young children to opium was noticed I do not know; but the observation comes out incidentally in the first recorded advertisement, in the "Weekly Journal" of December 23, 1721, of Godfrey's Cordial: "I do advise all Persons, for their own Safety, not to meddle with the said Cordial prepared by illiterate and ignorant Persons, as Bakers, Malsters, and Goldsmiths, that shall pretend to make it, it being beyond their Reach; so that by their Covetousness and Pretensions, many Men, Women, *and especially Infants*, may fall as Victims, whose Slain may exceed Herod's Cruelty." (The italics are mine). There can be little doubt that many infants have ended their lives prematurely from overdoses of opium administered in the form of laudanum or otherwise. As is generally known, statistical records of poisoning in England and Wales began with coroners' returns for the year 1837. For that year sixty-six accidental and twenty-five suicidal deaths by means of opium, laudanum or morphine were tabled.

Xrayser

COMPANY NEWS

ALUMARTIC, LTD. (P.C.).—Capital £1,000. Manufacturers of and dealers in aluminium articles, optical, surgical, scientific and photographic apparatus and materials, druggists' sundries, etc. E. Sagall, director. R.O.: 158 Bishopsgate, London, E.C.2.

N. E. PITTS & SONS, LTD. (P.C.).—Capital £5,000. To acquire the business of poultry disease specialists carried on at 7 Luxmore Road, Warminster, as N. E. Pitts & Sons. Margaret, Gordon H. and Wilfred R. Pitts, directors. R.O.: As above.

PARKE, DAVIS & CO., LTD.—Particulars filed August 9, 1945, pursuant to Section 344 of the Companies Act, 1929. Capital, $50,000. Incorporated in Colorado, U.S.A., on May 14, to carry on business as manufacturers of and dealers in drugs, medicines, chemicals, and hospital supplies, etc. British address: 50-54 Beak Street, Regent Street, London, W.1. Ernest Pope, of Wayside, Felbridge, East Grinstead, Sussex, manager, is authorised to accept process and notices on behalf of the company. Ernest Brier, Michigan (president), Norman H. F. McLeod, Cleveland Thurber, Nathan T. Viger and Alexander W. Lescohier, directors. All are United States citizens, but the two first-named are of British origin. Principal office: Denver, Colorado.

TOILET PREPARATIONS AND PERFUMERY MANUFACTURERS' FEDERATION OF GREAT BRITAIN, LTD.—Company limited by guarantee without share capital. Original number of members, 750, each liable for £1 in the event of winding up. Objects: To organise, protect and promote the interests of the toilet preparations and perfumery and allied industries and trades, etc. First Council consists of: L. J. Matchan (chairman), H. V. Barrett (J. & E. Atkinson, Ltd.), V. Beetch (Elizabeth Arden, Ltd.), A. J. Black (Dorothy Gray, Ltd.), A. Chaventré (Evan Williams Co., Ltd.), W. Cowlishaw (Coty (England), Ltd.), R. L. Demuth (R. Demuth, Ltd.), R. G. Dyas (J. Grossmith & Son, Ltd.), N. F. Fabricius (County Perfumery Co., Ltd.), E. M. French (Madame Thamar, Ltd.), T. Lyddon Gardner (Yardley & Co., Ltd.), A. F. Gunning (Ponds Extract Co., Ltd.), A. J. Madden (Potter & Moore, Ltd.), C. Nathan (H. Tetlow & Co., Ltd.), W. H. Osborne (Osborne, Garrett & Co., Ltd.), G. M. Roberts (Thos. Christy & Co., Ltd.), W. Ruff (Ruff & Co.), E. J. Smith (Tokalon, Ltd.), M. Vardy (A. & F. Pears, Ltd.). R.O.: 69 Cannon Street, London, E.C.4.

WELLCOME FOUNDATION, LTD.—Dr. C. Kellaway, F.R.S., has been elected depu chairman of the board.

J. & E. ATKINSON, LTD.—A dividend 6 per cent., tax free, is being paid on t ordinary shares for the year 1944, agai 10 per cent. in the previous year.

COMPULSORY LIQUIDATIO

THE first meetings of creditors and cont butories under the compulsory liquidati of Mumford & Co., Ltd., chemists, 4 Victo Terrace, Hove, Sussex, were held on Aug 23 before Mr. H. P. Naunton, senior offic receiver. The company was incorporated October 1930, with an issued capital £3,000, and was formed to carry on busin as chemists and to acquire a busin previously carried on at Victoria Terra Hove, by Mr. Frank Rogers. The price pa for the business was about £2,500. The co pany subsequently acquired other premis at Richardson Road, Hove, and from 1940 also conducted business from 236 Bak Street, London, W. The company conduct a moderately successful retail business un 1938 and during the following year established, under the direction of Mr. H. Mumford, a wholesale and manufacturi department and a printery. There was rapid expansion in the wholesale man facturing department and the company position considerably improved. On Ju 21, 1944, the company was prosecuted und the Limitation of Supplies (Miscellaneou Orders, 1940, and was fined £15,000, wi £500 costs. The fine and costs were n paid and on August 25, 1944, the sher entered into possession of the compan premises and conducted the trading un the following October 15, when he withdr and handed over a balance of £5,442 Mr. Parkin Stanley Booth, who was th appointed voluntary liquidator, togeth with a committee of inspection. Mr. Boo continued the business with a view to d posing of it and later, with the approval the committee, sold the assets to Mr. H. Mumford for £4,500. The failure w attributed to the inadequacy and ineffi ency of staff which resulted in offences l the company against the Limitation Supplies Orders, as a result of which became liable to pay a fine which it was n able to meet. A resolution was passed f Mr. A. G. White, 73 Cheapside, London, E. to act as liquidator with a committee.

TRADE NOTES

English Peppermint Oil.—William Ransom & Sons, Ltd., Hitchin, Herts, have for disposal a limited supply of this season's English oil of peppermint.

Anti-cold Course.—Calmic, Ltd., Westhoughton, Lancs, offer for oral administration an anti-coryza vaccine prepared from symbiotic broth cultures. Literature is available on request.

Holland Factory Intact.—The N. V. Societeit voor Chemische Industrie, Katwijk aan Zee, Holland, send word that their factory has survived the war intact, and that direct material and personal losses have been very low.

Manufacture Discontinued.—Evans Sons Lescher & Webb, Ltd., Speke, Liverpool, 19, announce that the manufacture of Liverpool Virus has been discontinued and that, as stocks are exhausted, no further orders are being accepted.

Two-purpose Skin-food.—S. Maw & Sons, Ltd., Aldersgate House, New Barnet, announce that, as from September 1, they have taken over the sole distribution of Damaskin for the United Kingdom. This preparation is still under quota but is now being advertised in the leading national newspapers and magazines.

Quinine Manufacture in Britain.—Carnegie Quinine Works, Ltd., associated with Carnegie Chemicals (Welwyn), Ltd., Welwyn Garden City, Herts, express the hope that, now that the war in the Far East is at an end, they will shortly be able to resume manufacture of quinine, quinine salts, and all cinchona preparations at their factory at Welwyn.

Non-greasy Skin Lotion.—A heavy seasonal demand is reported by Damancy & Co., Ltd., Harrow, Middlesex, for A-A dermal lotion, which is being used as a sunburn application. The demand is being met by supply of the product in bulk in 80-oz. winchesters, with labels, when the 3-oz. packs are not available. Further details are given in the company's advertisement, which appears on another page.

Business Changes

Alfred Bishop, Ltd., manufacturing chemists, have removed to 74 Garden Walk, Cambridge.

The Socialist Medical Association has removed to 35 Long Acre, London, W.C.2. Telephone: Temple Bar 1632.

Mr. B. J. Thomas, M.P.S., D.B.A., has been appointed manager of the Vere Street pharmacy of Allen & Hanburys, Ltd.

Roche's Pharmacy, 50 Lower O'Connell Street, Dublin, has opened a separate photographic department on the first floor.

Mr. D. O. Evans, M.P.S., has relinquished his post as manager of Allen & Hanburys, Ltd., 7 Vere Street, London, W.1, in order to visit Australia on behalf of the company.

Joint Committee for Pricing Prescriptions (N.H.I.), South-eastern Division, has returned to 25 Cedars Road, Clapham, London, S.W.4. No further communications should be sent to the emergency address at Marlborough, Wilts, which is now closed.

Borax & Chemicals, Ltd., announce that they are ceasing to operate from Marlyn's House, Guildford, on September 8 and resuming occupation of the registered and head office at Kingsbourne House, 229 High Holborn, London, W.C.1. Telephone: Holborn 6518. The branches of the company at Liverpool and Birmingham are unchanged.

Proprietary Articles Trade Association

Alterations to Protected List.—*Allied Laboratories, Ltd.*, new sizes, Examone tablets, 50's, and Flocusil tablets, 50's, 34s. doz., tax 5s. 8d. doz., inclusive retail price, 4s. 9d.

Optrex, Ltd., prices and terms for Famel brand cough syrup, October 1, 2½-oz. size, 13s. 6d. doz., tax 2s. 3d. doz., i.r.p. 1s. 8d.; 4-oz. size, 18s. doz., tax 3s. doz., i.r.p. 2s. 3d.; 8-oz. size, 27s. doz., tax 4s. 6d. doz., i.r.p. 3s. 4½d.; 2½-oz. size is being withdrawn when stocks are exhausted. Additional 5 per cent. on orders of £1 3s. Additional 7½ per cent. on orders value £3 and upwards. Carriage paid on all orders for £2 and upwards. Further 2½ per cent. for prompt cash by end of month following date of invoice.

Solport Bros., Ltd., Portia baby balances, etc., are now subject to purchase tax. Prices quoted are: Portia baby balance No. D54, 32s. doz., tax 10s. 8d. doz., i.r.p. 4s. 11d; white cotton hammock, No. D57, 20s. doz., tax 6s. 8d. doz., i.r.p. 3s. 1d; baby-weighing outfit, No. D60, 52s. doz., tax 17s. 4d. doz., i.r.p. 8s.

Wm. R. Warner & Co., Ltd., Anusol ointment and Veganin tablets (tubes of twenty) have been restored to protected list: Anusol ointment, 32s. doz., tax 5s. 4d. doz., i.r.p. 4s. Veganin tablets (tubes of twenty), 16s. doz., tax 2s. 8d. doz., i.r.p. 2s.

Deletions.—*Allied Laboratories, Ltd.*, Mycon tablets.

Solport Bros., Ltd., Solapad anti-travel-sickness belts.

BIRTHS

TAYLOR.—At Tyrone nursing home, Belfast, on August 29, Georgina (*née* Magowan), the wife of G. P. Taylor, Ph.C., of a son.

WATSON.—On August 29, Elizabeth (*née* Milroy), the wife of Daniel Lothian Watson, M.P.S., 50 St. Andrew's Drive, Glasgow, S.1, of a son.

DEATHS

APPLETON.—On August 25, Mr. John Thompson Appleton, M.P.S., a member of the Council of the Pharmaceutical Society since 1940, aged sixty-eight. Mr. Appleton served his apprenticeship with Mr. S. W. Spurr, Ph.C., Sheffield, and qualified in 1900. In 1902, he set up in business for himself, but retired from retail pharmacy in 1921. From 1934, Mr. Appleton was secretary of the Sheffield Pharmaceutical Committee. He was for nineteen years a member of the local Insurance Committee, and in 1940 was appointed chairman of the West Riding Insurance Committee. In the same year he was co-opted to fill a vacancy on the Pharmaceutical Society's Council.

BARLEY.—On August 21, Mr. Percy Barley, M.P.S., 10 Lisheen Avenue, Castleford, Yorks. Mr. Barley qualified in 1907.

BOSWELL.—At Greensdale, Apex Corner, Mill Hill, London, N.W., on August 19, Mr. Herbert Roy Boswell, aged fifty-one. For more than twenty-five years Mr. Boswell had been in the service of Chance & Hunt, Ltd., chemical merchants, St. Helen's Place, London, E.C.3, and he was well known and highly respected in all branches of the chemical industry. During the 1914–18 war he served in France and was given a commission for his services. The funeral took place at St. Peter's Church, Mill Hill, on August 23. Besides the relatives there were present Mr. Stanley Ellerm and Mr. J. M. Carrick (Chance & Hunt, Ltd.), Mr. P. J. Bate (Carless, Capel & Leonard), and Mr. W. H. Fowler (Imperial Chemical Industries, Ltd.). Mr. Boswell is survived by his widow, a son, daughter, and his mother.

CROCKART.—On August 15, Mr. William Crockart, M.P.S., 42 High Street, Brechin, aged seventy-one.

DOBELL.—At 25 Foscote Road, London, N.W.4, on August 31, Mr. A. Bruce Dobell, aged eighty-three. Mr. Dobell, a "man of Kent," was for many years chairman and managing director of Prunol Proprietary, Ltd., and was well known in the trade.

FOLEY.—At his residence, 136 Parnell Street, Dublin, on September 1, Mr. Michael J. Foley, M.P.S.I. Mr. Foley carried on an extensive pharmaceutical business at Parnell Street, and had many successful proprietary preparations. He qualified in April 1909, opened his own business shortly afterwards, and was subsequently joined by his son, Mr. John T. Foley, L.P.S.I. Another son who entered the profession is Mr. Cornelius H. Foley, who qualified two years ago.

FRESSON.—On August 22, Mr. Ernest Edward Fresson, M.P.S., 23 Stafford Street, Longton, Stoke-on-Trent, aged fifty.

HOBBS.—On August 19, Mr. Henry Allmond Hobbs, Ph.C., 3 Royal Buildings, Penarth, aged sixty-eight.

JAMES.—Missing from a raid on Kiel in August 1944 and now presumed killed, Pilot-Officer Frank Edward James, M.P.S., R.A.F.V.R., 5 Quantock Avenue, Bridgwater. Mr. James qualified as a chemist and druggist in 1927.

LEWIS.—On August 6, Mr. Meirion Goronwy Lewis, M.P.S., Brookfield, Llandennis Avenue, Cyncoed, Cardiff, aged forty-seven. Mr. Lewis qualified in 1923.

MILLER.—On September 2, at his home, The Bunk, Cleeve Hill, Cheltenham, Mr. Harold Miller (founder, chairman and managing director of United Chemists' Association, Ltd.), aged seventy. Mr. Miller had been in failing health for some time. Born at Grantham, he removed to Cheltenham in 1905 to take over the business of the County Drug Co., and later founded "Ucal." He became a member of Cheltenham town council in 1925, but resigned later on account of pressure of business. He was a Past Master of the Royal Union Lodge of Freemasons. He was also a member of the Union Club and took an interest in sport, particularly in association football. In his athletic days Mr. Miller won several cups for long-distance running, and had a good reputation as a cricketer. He is survived by his widow, one son and a daughter.

SIDEBOTTOM.—On August 24, Mr. Samuel Henry Sidebottom, M.P.S., 374 Blackburn Road, Accrington, Lancs, aged sixty-seven. Mr. Sidebottom was a past-chairman of the North-east Lancs Branch of the Pharmaceutical Society and president of the local Pharmaceutical Association.

SMITH.—On August 21, Mr. Ernest Hartmann Smith, M.P.S., 39 High Street, Gosport, Hants, aged seventy.

PERSONALITIES

ALDERMAN C. A. CRITCHLEY, J.P., Ph. C., has been re-elected vice-chairman of the Blackburn Conservative Association.

MR. NESS EDWARDS, M.P. (Parliamentary Secretary to the Ministry of Labour and National Service), has appointed Mr. W. L. F. Hemming to be his private secretary.

ALDERMAN R. F. MOTTERSHEAD, dental appliance manufacturer and head of the firm of R. Lord & Co., has been re-elected chairman of Blackburn Conservative Association.

MR. RHYS C. WILLIAMS, M.P.S., Llanrwst, Denbighshire, has won the first prize for a one-act Welsh comedy at the National Eisteddfod, held at Rhos, Wrexham, recently.

MR. H. F. SUMMERS has been appointed private secretary to the Minister of Health (Mr. Aneurin Bevan, M.P.). MISS L. R. PRESCOTT, M.B.E., becomes his assistant private secretary.

MR. D. HOSIE, who during the past twenty-five years has represented W. B. Cartwright, Ltd., in Northern Ireland, is retiring, and proposes to make his home in the South of England.

SIR ALEXANDER FLEMING, discoverer of penicillin, arrived in Paris on September 3 on an official visit. At a plenary session of the Academy of Medicine on the following day he was made an honorary member.

MR. STANLEY HAYWOOD, M.P.S., 9 Thornton Avenue, Bolton, has been appointed a Justice of the Peace for the borough. He was First Aid Commandant in the Civil Defence service throughout the war, and has done fine work as organiser of efforts on behalf of local and war charities.

ALDERMAN F. C. ASHFORD, J.P., M.P.S., has announced his intention to retire, after forty-two years as a member of Northampton town council. He has been offered the mayoralty eight times but each time has declined the honour. He is chairman of the Public Assistance Committee and has served on practically every municipal committee. Like his father, the late Mr. Evans Ashford, he has been president of the Northampton Chemists' Association.

MR. NORMAN HARPER, 3 Fountainville Avenue, Belfast, recently gained his B.Sc. in pharmaceutics at Queen's University, Belfast, obtaining a first-class pass with honours and being awarded a foundation studentship. Mr. Harper served his apprenticeship with Thos. McMullan & Co., Ltd., wholesale chemists, Victoria Street, Belfast, and was later with Grattan & Co., Ltd., Corn Market, Belfast. Mr. Harper's family has been connected with pharmacy for many years. His father was the late Mr. H. J. Harper (a representative of Stemco, Ltd.); a brother, Mr. Jack Harper, is a city traveller with Thos. McMullan & Co., Ltd.; an uncle was the late Mr. Theo. Harper, Ph.C., a former manager for Messrs. Grattan, and for many years lecturer in pharmacy and pharmacognosy at the Belfast Municipal College of Technology.

WILLS

MR. JAMES BIRCHALL WHITBY, M.P.S., Bylands, Bodicote, Banbury, Oxon, left £1,837, with net personalty £1,779.

MR. FRANK CYRIL BUCKLEY, M.P.S., 49 Southend Lane, Catford, London, S.E.6, who died on June 17, left £1,926, with net personalty £1,894.

MR. FREDERICK A. ROPER, Ph.C., 28 Thornhill Road, Plymouth, who died on June 19, left £8,912, with net personalty £5,044.

MR. HENRY STUART COUPLAND, Ph.C., 303 Norbury Avenue, Norbury, London, S.W.16, formerly with May & Baker, Ltd., left £342.

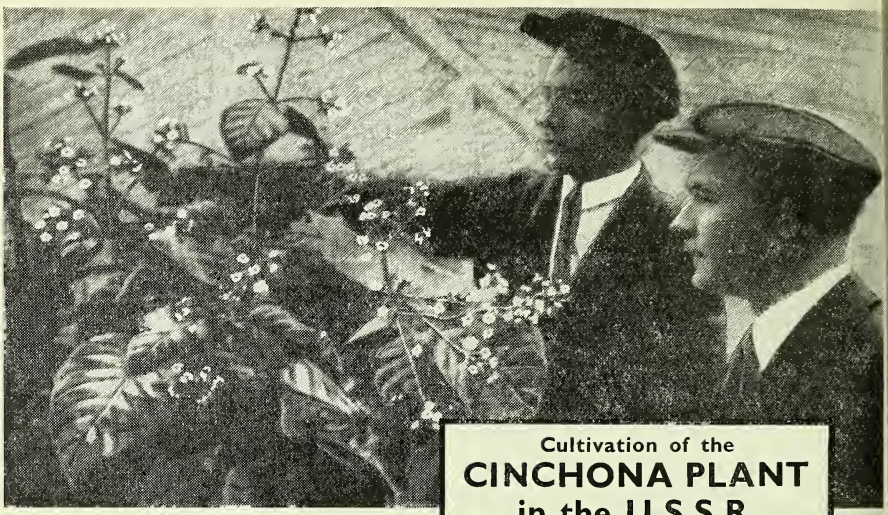
MR. ALEXANDER WHITELAW, M.P.S., Newby, North Union Street, Cupar, Fife, who died on June 4, left personal estate in Great Britain valued at £7,417.

MR. WILLIAM SHEED, M.P.S., 98 Charlotte Street, Fraserburgh, Aberdeen, who died at Bournemouth on March 23, left personal estate in Great Britain valued at £7,211.

MR. CHARLES EDWIN CORFIELD, B.Sc., Ph.C., F.R.I.C., 47 Northumberland Road, New Barnet, Herts, editor of the British Pharmaceutical Codex, Extra Pharmacopœia, etc., left £9,481, with net personalty £7,560.

MR. JOHN WILLIAM CLAYTON, Ph.C., F.C.S., Brynderw, Glan Conway, Denbighshire, managing director of Clayton & Jowett, Ltd., essence manufacturers, Liverpool, left £55,799, with net personalty £49,092.

SIR JOHN AMBROSE FLEMING, D.S.O., F.R.S., Greenfield, Manor Road, Sidmouth, Devon, Emeritus Professor of Electrical Engineering at University College, London, inventor of the thermionic valve and a pioneer of wireless, left £56,651 gross, with net personalty £53,791.



Cultivation of the CINCHONA PLANT in the U.S.S.R.

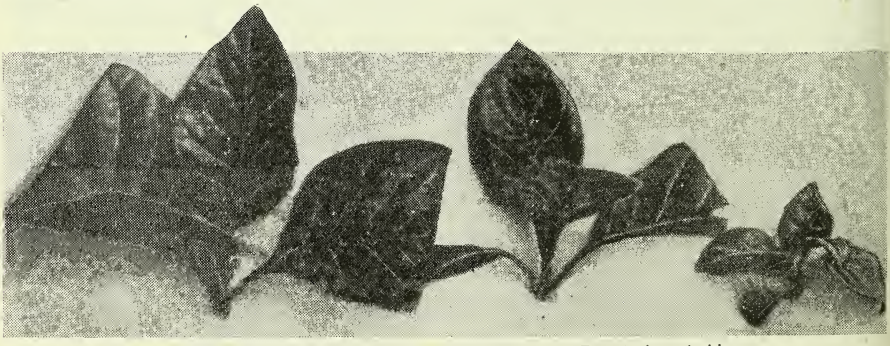
by M. A. KAPTSIONEL, Chief Agronomist of the Transcaucasian Board of the U.S.S.R. People's Commissariat of Health

COMMERCIAL plantations of the cinchona tree are mostly in tropical mountains, the world's chief source of supply of bark having, until recently, been Java, which provided 90 per cent. of the world's production. Various substitutes for quinine that have been introduced into medical practice have not reduced the demand for quinine products, as there are conditions which must be treated with the natural drug.

A Question of Acclimatisation

Realising the importance of introducing the cinchona tree into the U.S.S.R., Soviet specialists have been steadily working on the problem of acclimatisation for a long time. Research workers Molodeshnikov of Sukhumi Subtropical Selection Station and Kibalchich of the Batumi Botanical Gardens, with the aid of generous State subsidies, have developed new and original methods of growing the tree.

Agronomists of the Caucasus subtropical region, Sukhumi and Batumi, made their first rather timid efforts to introduce several varieties of cinchona (*Cinchona succirubra*, *C. officinalis* and *C. hybrida*) as early as 1901, but no results of any practical value were obtained. The failure was due



Green cuttings of cinchona for planting in the hothouse. *Top*, cinchona in bloom.

the effort made to cultivate this tropical ant as a perennial under vastly different nditions (latitude and climate) from those their homes in Java and British India. ork went on and in 1928 Soviet agronists planted a large number of seeds ought from Java and Darjeeling (India), ping to get from them some plants that uld be sufficiently frost-hardy to winter the open in Abkhazia and aria. These experiments l not bring the desired sults, although individual amples were found which uld withstand slight frosts.

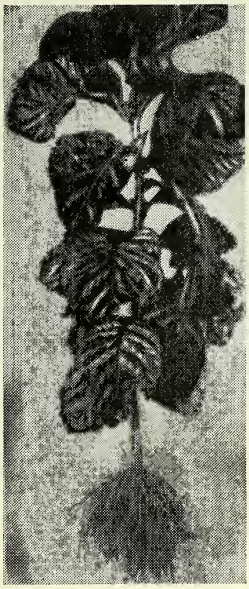
rly Difficulties

The agronomists then set out making the plants d-hardy by the application various technical measures the selection of the best son for planting seed in open, the shading of the ung seedlings, clipping the s to check growth in the umn, the photoperiodic ct of artificial light, and tly the search for the rmest spots on the Caucan littoral. None of these asures, however, proved ficiently effective to make plants hardy enough to nd winter in the open. photoperiodic effect of nt, ten and twelve-hour s made the plant suffintly hardy to withstand first light ground frosts, after this they died. experimenters were refore faced with the choice of stopping ir experiments until frost-hardy varieties been developed or making some radical nges in the technique of their work.

he Soviet Government voted funds the establishment of special "Departnts of Medicinal Plants" at the selection ions at Sukhumi and Batumi Botanical dens, and allotted a special State farm Gagri in Abkhazia to do the detailed k on all the problems connected with cultivation of cinchona.

pagation by Cutting

thorough analysis of all previous eriments led the agronomists to reject idea of acclimatising perennials as not ed to the climatic conditions. Molonikov and Kibalchich studied the biological peculiarities of cinchona (not only the bark but the whole vegetative part of the tree contains quinine alkaloids) and proposed the following two ways of solving the problem. First, the biennial method; the seeds are grown in hothouses for the first year and then planted in the open. In the autumn the whole plant is sent to the factory for the manufacture of quinine. Secondly, vegetative propagation; cuttings which take root in the autumn are planted in the open in spring and are gathered in their entirety at the end of November and used as above.



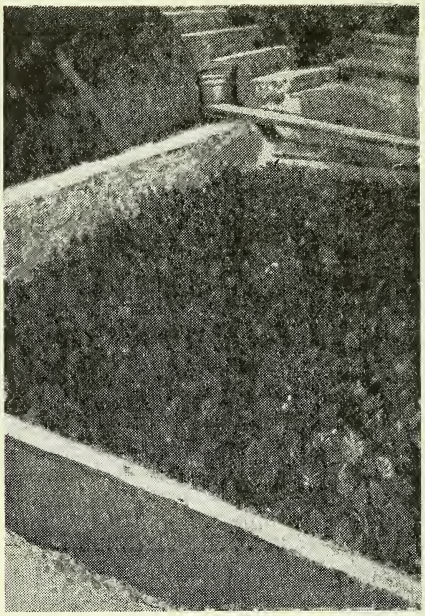
Specimen cinchona sapling ready for planting in the open.

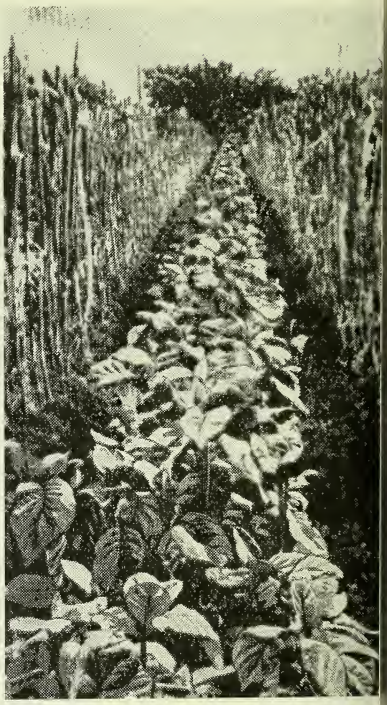
Both these methods were tried at Sukhumi and Batumi and it was found that the first would either require hothouses of a very considerable area to provide the seeds, or they would have to be imported from abroad; the second method was therefore favoured.

Alkaloidal Contents

The researches of the Sukhumi introductory nursery showed that the leaves of young *Cinchona succirubra* contain as much as 1·32 per cent. alkaloids, but that there was only 0·3 per cent. of four of the most important crystalline alkaloids—quinine, cinchonine, quinidine and cinchonidine. The stem of the young plant was found to contain 1·27 per cent. alkaloids and the roots up to 1·47 per cent. The average amount of alkaloids contained in the whole dried plant was about 1·25 per cent. The quinine formed 6 to 7 per cent. of the alkaloids of the stem, 12 to 13 per cent. alkaloids of the roots and about 2 per cent. of alkaloids of the leaves. In this way the cinchona tree, typical of tropical plantations, has, under Soviet subtropical conditions, become an annual that is renewed yearly by the planting of cuttings.

Within the short space of three years Molodeshnikov and Kibalchich worked out a complete agro-technical system for growing cuttings and a technique of cultivating plantations under field conditions. These methods have now been adopted by all Soviet farms cultivating cinchona.





Stages in the cultivation of the cinchona plant in the U.S.S.R.

(*Pictures and text by cable from Moscow*)

Top left: Shoots in hothouse for rooting. Saplings protected from sun by fences of
Below: Plantation near Batumi, Ajaristan.

etails of Cultivation

Here are the details of the methods dopted. In spring the young cuttings that ave already taken root are planted in pen sunshine, where they are grown till the d of November, when they are lifted and nt, as complete plants, to the factories. othouses maintain a constant supply of e "mother" plants, which are allowed to ower and produce seeds. The tip of the tting with two pairs of leaves is nipped f together with the upper bud. The ttings are rooted under glass or in hotuses for a period of thirty days. As on as three pairs of leaves have appeared the young plants cuttings are taken from e wound that is left between the remaining ir of leaves; two runners spring out which ain produce cuttings for planting. When ltivated the year round it is possible to tain from twenty to twenty-five cuttings m one original cutting.

To grow the plants in the open, correct ils must be selected; they must be gularly watered during the dry summer ason and must be shaded from the sun. ep humus and sand with loam over a bsoil of gravel are the best media for owing the cinchona plant. These soils ssess excellent physical and chemical operties.

Plantations of cinchona require artificial igation during the dry period. The best thod is spraying at least once in three ys. Even with artificial irrigation, plants en suffer from the direct rays of the sun d must be given artificial shadow. Good ade greatly increases the mass of foliage rvested. Various types of screen are d, both artificial and natural. The chona is planted between rows of trees between rows of maize or sunflowers. the latter case, in order to prevent npetition between the plants for moisre and nourishment, channels are cut tween the rows of cinchona and maize. e rows are laid out east to west so that cinchona plants are in the shade for greatest length of time and are sheltered m the low rays of the rising and setting n. So far as possible maize or sunflowers planted earlier than cinchona to ensure ective shade for the latter.

The distance between the plants and ws is determined by the quality of the soil d cuttings. Plants set in three rows are otted an area of 25 centimetres or 30 × 30 timetres per plant with a distance of to 110 centimetres between rows, of ich 40 centimetres provides a path for field workers and the remainder is used to erect shades or plant maize or sunflowers. In the first case there are 75,000 plants to a hectare (1 hectare = 2·47 acres), and in the second, 58,500 plant cuttings are usually planted with a clump of earth attached to the roots. The cuttings are planted out during the first twenty days of May or, if there is an exceptionally warm spring, during the last ten days of April.

In November 85 per cent. to 90 per cent. of the plants are lifted by the roots and sent direct to the factories, and the remainder are cut at the roots and sent to the hothouses as "mother" plants for the provision of fresh cuttings for the following spring.

Harvesting the Plants

In Abkhazia the harvest is gathered during the first or second ten days of November and is calculated to end before the onset of the first ground frosts. When gathered by hand the plants are dug up with a spade or fork so that none of the root, the part richest in alkaloids, is left in the ground. The bigger leaves are dried on a string like tobacco and the smaller ones are spread out to dry; stems and roots are hung up under sheds in bunches to dry separately. Alkaloids are extracted from the stems and roots by methods similar to those employed with Peruvian bark. The material is pulverised, steeped in lye and the alkaloids extracted with hydrocarbons, etc. When extracted the alkaloids are a mixture of quinine, cinchonine, quinidine, etc. This mixture, known as cincheta, contains pure quinine; cincheta from the leaves produces an average of 1·8 per cent. quinine, from the stems 6·6 per cent. and from the roots 12·5 per cent. Clinical investigations of the medical effect of Soviet cincheta in the treatment of various forms of malaria have shown results that are in some cases better than those obtained with ordinary quinine.

An Advertisement for Tooth-brushes.—In a paragraph in the "Manchester Guardian," recently, on the origin of tooth-brushes, reference was made to an 1840 advertisement: "Hallett tooth-brushes, from which the hair never comes out. W. H. avails himself of this medium of returning his sincere thanks to the public for an immense increase of patronage and, stimulated by the Countenance and Support of many of the first families in the land, he will devote a large portion of his time to the manufacture of his tooth-brushes, which shall be so very superior to what is usually sold as to ensure universal recommendation."

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A New Subject for Research

o begin by posing the question whether here really is such a thing as production ontrol is perhaps an unexpected way of oposing the formation of a Production ontrol Research Group. That, in fact, was hat the principal speaker did at a meeting lled for the purpose in London recently ee p. 251). Many of our readers may well echoing the question.

For production research is a conception at has arisen during the war, and while r. Tiranti, its advocate, was able to demonrate its existence, he was not able to go r towards defining it. Its very indeternate character, indeed, was used by him a principal argument of the need for ganised research into the subject.

Production control is an industrial delopment that has taken place mainly in gineering, and largely as an outcome of e war. In the change-over from peacene production many long-established ethods and customs were called in quesn or proved inadequate. In complicated ocesses involving perhaps thousands of rts it was essential that the right number each should be produced, that they should available when needed, and that they ould be at the right spot when the time me for them to be incorporated in the oduct undergoing construction. Lives pended on it. Of course there were failures d bottlenecks, but as these were examined and overcome the "production engineers" accumulated a knowledge of principles and techniques which are capable of being applied in any industry. To this type of pre-planning the term production control has been applied.

The subject takes in matters of costing, timing, ways of simplifying a process, factory layout and, by no means least in importance, training and handling of staffs. What its boundaries are in each of these fields it is clearly one of the objects of the new Research Group to find out. Its advocates see in production control the solution to export problems and the guarantee of a continued high place for the industries of Britain in the face of a host of old and new competitors. They regard production control as being equally applicable to the manufacture of an everyday necessity as to construction of a highly specialised scientific instrument. It may perhaps be argued that in the making of everyday necessities production control comes down to the level of plain common sense and has, in fact, been put in practice by all successful manufacturers. However, the Group has been set up. The first research is to be applied to "industrial relations." Simultaneously, the production problems of various industries are to be formulated, and experts' ideas and experiences are to be pooled and exchanged. The new venture is in the spirit of the age, but industrialists are a canny lot, and they will look for results before committing themselves too readily to accept the idea that production control is something which they should operate in their own factories.

Penicillin in South Africa

CONCERN at the lack of legislative safeguards in the sale of penicillin (which has been available to the public over the counters of South African chemists' shops since the middle of June), as expressed by members of the medical profession in South Africa, has resulted in an official proposal to control distribution of this product in the Union. Dr. R. G. Shuttleworth, a research chemist in charge of the manufacture of the drug in the laboratories of a Cape Town manufacturing chemist, said that the inter-

national control over supplies of penicillin, which had previously been available only in special circumstances under doctors' prescriptions, was lifted in July.

The drug was now available from South African pharmacists in three forms: a stable solution used mainly for local applications to wounds; pastilles; and in dry powder form in ampoules. Imported penicillin was used in all cases, the Union obtaining allocations of the drug from America. The local manufacture of the drug had been discontinued. So far as he knew there was at present no provision for legislative control over the use of the drug in preparations made by pharmaceutical manufacturers. If preparations made with the drug were found to be unsatisfactory there was no existing legislation to deal with the matter.

Legislative Change Involved

To effect the necessary control it would appear essential for an amendment or addition to be made to the present Act controlling the manufacture and use of drugs and poisons. There also appeared to be no control over the sale of penicillin and preparations of the drug to the public. Members of the public could apparently demand any quantity of the drug from chemists without a doctor's prescription. He felt this was wrong, as people using the drug or preparations without instructions might do themselves more harm than good. He advised people to buy penicillin preparations only from reputable manufacturing chemists.

Dr. Shuttleworth said the Union's allocation of penicillin was large enough to cover the uses to which the drug was at present being put. Fairly large supplies had been available in Cape Town during the last few weeks. At present supplies were limited in Cape Town and there was a shortage of the drug in Johannesburg. More supplies would probably be available soon. Once people began to make more extensive use of penicillin the present allocation might be insufficient to cover essential requirements for medical purposes.

There has been prompt official reaction to the concern expressed. The Department of Public Health is reported to have drafted an amendment that will define penicillin a a therapeutic substance and bring it unde the Food and Drugs Act. Dr. Peter Allar the Secretary for Public Health, said tha the step was taken mainly to protect th public and to ensure that the product sol in the Union was always up to standard.

Tariff Rates for Sulphonamide

A DECISION of some importance, affectin the sums payable by Insurance Committee in respect of tablets of sulphapyridine an sulphathiazole, is recorded in a recent issu of the "Journal of the Naoctic." The advic of the Ministry of Health was sought by pricing committee on the dispensing fee liable in respect of M. & B. 693 and M. & B 760. It was pointed out that the tari prices for both sulphapyridine and su phathiazole tablets were based on the pric list of May & Baker, Ltd. A suggestio had been made that where these tablet were ordered by their pharmacopœia names, they should be allowed the fees fo non-proprietary tablets, but where the were specifically ordered as M. & B. o by other proprietary names of the manu facturers, the proprietary fee should b allowed.

The reply received by the committe from the Ministry of Health was to th effect that, wherever a medicament wa ordered by a proprietary name, the fee fo a proprietary medicine was payable. Whils the name sulphapyridine had been adopte by the British Pharmacopœia, it was no possible for other makers than Messrs. Ma & Baker to manufacture this preparatio in the United Kingdom or to import i and tabs. M. & B. 693 were therefor necessarily supplied. So far as sulpha thiazole was concerned, the B.P. tit covered a material which was made b more than one manufacturer, and in th circumstances the product, when ordere by the official B.P. title, should receive th ordinary fee for tablets.

CLOSED ON SATURDAYS.—Advertisers an subscribers are reminded that owing to preser conditions the Head Office of THE CHEMIS AND DRUGGIST, 28 Essex Street, London, W.C. is closed on Saturdays until further notic Urgent instructions relating to advertising an subscriptions should be sent to the *C. & D* 17 Argyle Street, Bath, Somerset.

PRODUCTION CONTROL RESEARCH GROUP

At a meeting held in London recently, there was inaugurated a Production Control Research Group. It is proposed to arrange a series of addresses, the first of which will be given in September, and there will be sessions for discussions on practical problems. The principal speaker at the inaugural meeting was Mr. D. Tiranti, who has written and lectured extensively on the subject. He was introduced by Mr. W. J. Worsdale, who stated that the object of the meeting was to establish the measure of need for research into production control.

Need for Group

Mr. Tiranti opened by reading correspondence from which, he said, it had become obvious that a separate Research Group must be formed if the subject was to receive its due consideration. "We appear to have reached the ludicrous point of having persuaded industry generally that production control is a vital factor in the running of its business, and yet we are virtually without a means of teaching the methods of production control," he quoted. Mr. Tiranti then read a paper on "The Necessity of Research in Production Control," from which the following extracts are taken:—

It is not yet established that there is such a thing as production control, so that even before considering the necessity for research, the converted find themselves having to explain where production control originates, and what it does.

Division of Industrial Management

Production control may be classified as a division of industrial management. That there is such a thing is becoming apparent, but only to those who go out of their way to find it. There is nothing concrete, nothing obvious, about it. To secure data is quite a quest in itself. For example, occasional articles appear in technical journals, but such articles conflict in their views and interpretations. There are booklets published by the British Standards Institution ("Principles of Production Control" and "Production Control in the Small Factory"). A third booklet, "The Application of Production Control," is in the press. The booklets make no pretension to being comprehensive. No comprehensive explanatory texts on the subject are available.

Investigation reveals that in schools and technical institutes, no course on production control is included in any technical curriculum, though it appears that here or there training has been given. If the schools as a whole ignore the subject, is there any real need for it? Perhaps industry does require production control, and the schools are not aware of the demand. The onus rests on industry to prove that it wants this service. If we can establish that industry wants production control, then we are led to the necessity for research.

Place in Industry

Industry is beginning to realise that, quite apart from the technicalities of the manufacturing processes in a factory, the organisation of work is of the greatest help, as it leads to production, which in effect means two things—skill in technical manufacture and skill in organising production. For some reason, the engineering industry has developed production control technique to a greater extent than any other industry. The development brings up the impression that production control is exclusive to engineering. In that section of industry where economic production is a dominant influence, the difficult problem is thrown up, "How can we achieve economic production?" This introduces costing, time study, production methods, work simplification, production planning. In wartime practice in engineering shops, it was found that it was pointless to control work at one stage only, for the benefits secured at the controlled stages could be nullified at other stages. For example, it was useless effectively to control one part, only to find that when it arrived at the assembly line, an adjacent part was missing. It soon became apparent that the control of production was no easy thing; it should start at the instant the general order reached the factory, and not at the moment when the manufacturing order reached the shops. Production threw up numerous complexities. Whilst the war demanded production, and was not tied down by costs, considerable progress was made. Many of us now believe that the issue at stake, on which our future depends, is economic production, and those of us who share that belief find ourselves looking round for ways and means to do this. If production control is the answer, then the sooner this is determined, the better for all concerned. There is a fixed idea in certain quarters that production control is entirely an engineering function. In this industry the importance

of production control has been realised. Where are the committees on production control in other industries, and what are they doing? Production control is a function of all manufacturing concerns. Its purpose is as readily applicable to the manufacture of an everyday necessity as it is to the manufacture of a highly specialised scientific instrument.

Factors in Economic Production

Costs are an indisputable part of economic production. It is at the point where our products are lined up on a table, side by side with foreign competitors', in some export market such as Australia or Argentina, that the success or non-success of our production methods become manifest. At home, that spirit of competition is not so strong. If there be no competition, then there is no need to secure economic production. So the issue is the avoidance of competition. Our subject is definitely allied to economic production: the planning of work to move through smoothly, the correct allocation of machines and labour, a detailed analysis of time, and how it must be used against an order. All these are complex problems and their satisfactory solution requires research.

First, the research must extend not along the most obvious side, namely the practical aspect, but along the industrial relations side, for production control has the most difficult of all materials to handle, the human being. The laboratory is the workshop, th chemicals are blood and bones. There is n question of taking a specified material an machining it to a mathematical exact tude. Rather, it is a question of taking group of people of unspecified reactions, an making them change their ideas and wor in harmony. Much can be done on th practical side. Industry must first form late its production problems. All must g together and freely interchange their idea for the problems are real and varied, an require the finest brains and the fulle co-operation. If it is possible to do this to build up a spirit of faith where each w aid the other—then there can be no hesit tion in saying that research in productio control will make progress and be a help all, and the work involved is well wort the prize, for we can then look competitio in the face.

In the discussion which followed, th suggestion was put forward that productio control should also cover design an method. A clear definition of the subje was asked for, and a number of speake gave their opinion that a need existed f research into production control. The fo lowing motion was put to the meeting an unanimously approved, "That this meetin considers the formation of a Productio Control Research Group a necessary an important stage in the improvement production technique." A committee w then formed.

NORTHERN IRELAND C.F. COMMITTEE

THE first meeting of the Northern Ireland Committee of the Chemists' Friends Association was held at the premises of the Ulster Chemists' Association, 4 Waring Street, Belfast, on August 23. Retailers' representatives present were: Messrs. T. A. Gibson, R. Gibson, A. E. Johnston and E. A. Richey; manufacturers' representatives: Messrs. C. J. Hall and R. J. Jeffers; wholesalers' representatives: Mr. R. McCann (Shaw & Jamison, Ltd.) and Mr. Fred Storey (Fred Storey, Ltd.). The secretary, Mr. James McClenahan, was in attendance.

MR. A. E. JOHNSTON (president, Ulster Chemists' Association) took the chair at the opening of the meeting. He welcomed the members and expressed the hope that the committee now set up would make full use of its opportunities to further the interests of the C.F. movement in Northern Ireland. On behalf of the retailers' representatives he expressed his pleasure that wholesalers and manufacturers would no be more directly able to co-operate throug the local committee. It was agreed th each chairman should hold office for o year on the following basis—

First year	..	Retailer
Second year	..	Wholesaler
Third year	..	Retailer
Fourth year	..	Manufacturer

but that the first chairman now to b elected should hold office until the first mee ing of the Committee held after Novemb 30, 1946.

Election of Officers

The following officers were electe *Chairman:* Mr. T. A. Gibson, proposed b MR. STOREY, seconded by MR. RICHEY. *Vic chairman:* Mr. McCann, proposed by M JOHNSTON, seconded by MR. T. A. GIBSO *Secretary:* Mr. J. McClenahan, proposed b Mr. R. GIBSON, seconded by Mr. STOREY.

A proposal by MR. STOREY that Mr. A. I

ohnston should be elected chairman was ithdrawn, Mr. Johnston having expressed ie retailers' view that during the years hen a retailer should hold the office of hairman it should be held by the president the Ulster Chemists' Association, and at he himself would shortly be vacating at office. Immediately after the election r. Johnston vacated the chair, which was cupied by Mr. T. A. Gibson during the mainder of the meeting.

The Secretary read a letter dated April from the Chemists' Friends Association which were set out the financial rangements concerning the Northern land Committee and its terms of refer- ce. Mr. Johnston said that the U.C.A. ped to send a representative to attend e November meeting of the C.F. Council London. The meeting agreed that the cretary should ask the C.F. Council to ow any member of the Northern Ireland F. Committee to attend meetings of the uncil in London as an observer without ting powers whenever an opportunity uld offer. It was agreed that it would be pful for the members of the Northern land Committee to receive copies of the nutes of the C.F. Council.

It was agreed that a notice should be in- ded in the next circular of the U.C.A. vising members that the Northern Ireland F. Committee had been set up, that a py of Rule 44 be sent out to all retail emists in Northern Ireland, and that on U.C.A. circular each month a paragraph uld be included to maintain and develop interest of retailers in the C.F. move- nt and to remind them of their obliga- ns.

v C.F. List

The Secretary reported that he had been ised by the C.F. Association that a new tion of the list would be published in the r future. He was instructed to ask the F. Association to furnish a copy of the list to each C.F. wholesaler and retailer Northern Ireland. The Secretary read ee applications for wholesaler member- p which had been forwarded to him by C.F. Council with a request for the thern Ireland Committee's observations. Committee recommended that two of applications should be rejected, and the d deferred until the next meeting of Committee. The chairman and secre- undertook to secure further information n the applicant.

he Secretary read correspondence ween the U.C.A., the C.F.A. and a C.F. manufacturer concerning a complaint that a retailer had been supplying a non-chemist with a C.F. line. The Secretary read the agreement which the secretary of the C.F. Association proposed sending to the retailer concerned for signature as follows:—

> In consideration of my name not being placed upon the C.F. Stop List, I ..... of ..... hereby agree to purchase and to sell all products included in the Chemists' Friends list in strict accordance with the provisions of Rule 44 of the constitution and rules of the Chemists' Friends Association.
>
> I also agree to pay the sum of £10 0s. 0d. (Ten Pounds) to the Chemists' Friends Council for each and every breach of this agreement that may be proved against me to the satisfaction of that Council after this date.
>
> Signed .....
> Witness .....

Invoicing by Agents

The Secretary reported that he had received a complaint from a local C.F. wholesaler concerning the invoicing by local agents—not themselves C.F. wholesalers—of C.F. goods on their own billheads. It was resolved that the C.F. Council should be urged to make it clear to manufacturers that C.F. products must not be invoiced by local agents except on the manufacturers' own billheads. The secretary was instructed to convey to the C.F. Council the very strong feeling of the Northern Ireland Committee upon this question. The Secretary reported briefly communications which had taken place between the manufacturer of a non-C.F. proprietary and the U.C.A. The manufacturer had made an agreement which confined the retail sale of his products in Eire to pharmaceutical chemists and registered druggists and sought to make similar arrangements for Northern Ireland through the U.C.A. It appeared that the manufacturer had commitments in England which would not allow him to make immediate application for manufacturer membership of the C.F. Association. The U.C.A. had suggested his making an application to be implemented so soon as the manufacturer had cleared his existing contracts. No such application, however, had as yet been made. The secretary was asked to inquire from the C.F. Association if there had been any further development. It was agreed that no local arrangements should be made with the manufacturer. He must, in order to enjoy the full confidence of Northern Ireland chemists, join the Chemists' Friends Association. The secretary was also requested to consult the local agent.

PENICILLIN FOR THE RETAIL PHARMACIST—III

by Reginald J. Jeram

(*Senior Pharmacist, St. Mary's Hospital, Portsmouth*)

THIS article will deal, like the previous one in the series, with the dispensing of penicillin, and the first preparation to be studied will be penicillin dusting powder. Such powders (or insufflations) should be thoroughly dry, free from all grittiness, uniform in composition, free flowing and of light density. The density of the preparation is important because the powder is frequently applied from a special metal spray. Sterilisation of powders is tedious and difficult.

Penicillin Dusting Powder

The normal powder is composed of penicillin evenly distributed throughout a diluent base composed of a bactericide which may be sulphanilamide or sulphathiazole mixed with light oxide of magnesium. The following formula may be used:—

Penicillin	100,000 Oxford units
Sulphanilamide ..	50 gm.
Mag. ox. levis ..	5 gm.

It must be realised that the penicillin forms a small part of the bulk and calls for efficient mixing. The sterilisation of the mag. ox. levis is comparatively simple, being achieved by spreading in a thin layer and placing in a hot-air oven, maintained at 150° C. for at least an hour. During this time it is advisable to turn the powder from time to time. Sterilisation of the sulphonamide is intricate, and time will be saved by buying ready for use.

In the absence of a screen or cabinet for excluding dust, the following method may be adopted. A glass mortar and pestle, previously sterilised by dry heat, is covered with dry sterilised stout transparent tissue and fixed in position. The tissue is so arranged that the pestle (which is fixed through the centre) can be freely moved for mixing. In addition to the pestle a wide glass tube or wide funnel is incorporated at one side and plugged with sterile wool. For mixing, the powders are added in the usual manner and reduced to a fine uniform consistency. When finished, the product is transferred aseptically into suitable screw-topped bottles with wide mouths. Sealing the rims with adhesive plaster is an added precaution against dampness.

Penicillin Pastilles

Pastilles are used as a means of local administration of penicillin in cases of certain disorders of the throat where prolonged medication is desired. To obtain this result certain factors have to be considered in the choice of the base. The base (*a*) must not inactivate the drug; (*b*) should not stimulate the saliva causing the penicillin to be rapidly carried away; and (*c*) should not be easily soluble in the saliva. It has been found that bases made with good-quality gelatin and distilled sterilised water answer the tests well. The gelatin content should be high, and possible mould formation prevented by the addition of Nipagin as an antiseptic. Another base incorporates a proportion of glycerin, and in this the Nipagin is omitted. A suitable base is:—

Gelatin	100 gm.
Glycerin	150 c.c.
Water	150 c.c.

The base is sterilised in closed screw-topped containers, in an autoclave or by some other suitable method; the temperature employed should not be unduly high. The base is then cooled, until it is just fluid enough to incorporate the dissolved penicillin, the volume of this being only a few cubic centimetres. The temperature at this stage is about 42° C., which allows easy pouring into a mould; subsequent cooling should be rapid.

Moulds have been marketed, but excellent pastilles can be made by pouring into a sterilised tin lid previously lubricated with sterile liquid paraffin. If a lid measuring $4\frac{1}{4}$ in. by $4\frac{1}{4}$ in. by $\frac{5}{12}$ in. is used and the sides marked off into eight equal parts, sixty-four pastilles of a convenient size will result. When the base is well set, a sterilised glass rod is held and a sharp sterile blade, scalpel, or thin-bladed knife is allowed to cut from one mark to the opposite one on the other side. This is repeated until the mass is divided into square pastilles. The average pastille contains from 250 to 1,000 units; they are packed into sterile screw-capped glass containers, using sterile tweezers.

Injections of Penicillin

These are simple solutions of the drug in sterile water, saline, or glucose-saline, according to the purpose for which they are intended. Sometimes procaine is included as an anæsthetic, to prevent pain being experienced on administration. The solution is injected either by a continuous drip

method, in which case the total number of units for twenty-four hours is contained in either 540 c.c. or 120 c.c., or by intermittent injections. When the latter method is adopted, bottles having rubber caps are dispensed containing an appropriate number of doses, each dose measuring 1–3 c.c. The dosage varies, but approximately 100,000 units per day are used in the former method and 15,000 units per dose in the latter.

Penicillin Eye Drops

Simple solutions of penicillin in sterile water or saline are dispensed as eye drops, the number of units per cubic centimetre being about 1,000. A simple drop-bottle can be made. Into a 25-c.c. injection-bottle an eye dropper with teat is inserted, the junction being formed by a piece of rubber tubing, through which the dropper is passed. This tubing is about ½ in. long and forms an excellent stopper.

Throat sprays and other solutions are dealt with similarly and need no special mention. Before leaving the subject of solutions some mention should be made of the vehicles. These should be freshly made, pure distilled water (preferably double-distilled) being used, and passed through a bacterial filter such as a Seitz before sterilisation to remove pyrogens (bacterial products). The glass of containers must answer the various tests for glass intended for injection bottles. Preparations should be labelled with the strength in Oxford units.

MEDICAL ABSTRACTS

Scabies and D.D.T.—The success of D.D.T. in preventing infection by lice has raised the question of its effect on scabies. Hodgson and Hellier ("British Medical Journal," August 25, p. 255) examined a series of infected soldiers to see how many had been wearing infected shirts or had been using D.D.T. powder regularly and recently. Fifty-two per cent. had done so. The corresponding figure in a series of controls was 52·2 per cent., suggesting that D.D.T. had had no preventive action.

Sycosis Barbæ.—The "British Journal of Dermatology and Syphilis" (May–June, 1945) records the successful use of a penicillin cream in cases of sycosis barbæ. The formula for the cream base was:—

Distilled water ..	250 c.c.
Lanette wax SX ..	50 gm.
Castor oil	50 c.c.

To this, an amount of 200 units of penicillin per gm. was added. In nineteen cases, where the predominant organism was found to be a penicillin-sensitive strain of staphylococcus, the cream was used with benefit. In thirteen with a history of more than a year, six were cleared within an average of six weeks, and six others showed improvement within this period. Of the six patients with a history of less than a year, four were cleared in an average of two and a half weeks and one was improving over a period of five weeks.

Penicillin exhibit on the exhibition train touring the West Country, South Wales, and the Midlands (see p. 236).

TRADE MARKS

(*From "The Trade Marks Journal," August 22*)

"TOILETIQUETTE"; for toilet soaps (3). By The Horton Manufacturing Co., Ltd., Ebury Road, Rickmansworth, Herts. B634,522.

"HALL'S"; for medicated sweetmeats (5). By Hall Brothers (Whitefield), Ltd., Stanley Street, Whitefield, near Manchester. 630,517, 635,576 (both Associated).

"BEPANTHEN" and "BEPANTHAINE"; for pharmaceutical substances (human and veterinary); infants' and invalids' foods (5). By Roche Products, Ltd., 40 Broadwater Road, Welwyn Garden City. 630,640–45 (both Associated).

"IESOTOX"; for pharmaceutical preparations and substances (5). By Southon Laboratories, Ltd., 88 Upper Richmond Road, London, S.W.15. 633,621 (Associated).

"DORMUPAX"; for pharmaceutical preparations (5). By Aspax Chemical Manufacturers, Ltd., 32 Shaftesbury Avenue, London, W.1. 634,303.

"STENHOPE"; for medicines for human use (5). By Brontan, Ltd., 6–8 Scrutton Street, London, E.C.2. B634,729.

Device of naval officer with sextant against sea background, and words "'Ependa' Dependable!" (word "dependable" disclaimed); for all goods (5). By Lennard, Lee-Narvill & Co., Ltd., 216 Anlaby Road, Hull. 633,932.

"HOLLEPAX"; for pharmaceutical and sanitary substances, medical and surgical plasters, bandage material; catamenial appliances and sanitary knickers (5); and for surgical, medical, and veterinary instruments and apparatus (10). By B. D. Edwards, 5 Beastmarket Hill, Nottingham. 634,669–70 (both Associated).

"PERURDIL"; for pharmaceutical preparations and substances (5). By Bayer Products, Ltd., 14 Waterloo Place, Pall Mall, London, S.W.1. 634,835 (Associated).

"GREENTREES"; for disinfectants (5). By Western Chemical Industries (Cardiff), Ltd., Grosvenor Works, Cornerswell Lane, Penarth, Glam. 634,918.

"CARBRITAL"; for pharmaceutical preparations (human and veterinary) (5). By Parke, Davis & Co., 50–54 Beak Street, London, W.1. 634,950.

Geometrical design, with word "Hermdel," enclosed in circle; for cinematographic cameras and apparatus; optical mirrors (9); surgical, medical, dental and veterinary instruments and apparatus (including artificial limbs, eyes and teeth) (10). By F. J. Delves and W. Hermsen, 124 Boulevard Bineau, Neuilly (Seine), France. 611,184–85 (both Associated).

"VER" and "NEW-VER"; for scientific instruments, etc. (9). By Dobbie McInnes, Ltd., 57 Bothwell Street, Glasgow, C.2. 633,808–09 (both Associated).

"AVON"; for mineral waters (32). By Usher's Wiltshire Brewery, Ltd., Parade House, Trowbridge, Wilts. B633,299.

U.S. AUTHORITIES AND I.G. FARBEN

AN account of the steps taken by the United States Group Control Council for Germany to control the activities and supervise the dismemberment of I.G. Farbenindustrie is given by a special correspondent of the "Manchester Guardian" in its issue dated September 1. The head of the division is Colonel Edwin S. Pillsbury, a lawyer who specialised in corporation law in the United States, and who has been appointed Control Officer for the concern in the American zone of Germany. The region contains about 9 per cent. of the total plants of I.G. Farben.

Control of Research

So far as the American zone is concerned the direction and control of the Corporation and of all its property, were taken over under a General Order promulgated by Military Government on July 5. Under the Order the entire management, including all directors and all others empowered to sign on behalf of the concern, were removed and deprived of all authority and shareholders' rights in respect of the selection of management or control were suspended. Participation in any cartels or cartel-like arrangements was also terminated, and all laboratories and technical organisations were closed except those considered necessary to the protection of public health. All institutions in any way related to Germany's war machine are to be abolished. The Russian authorities have agreed to procure for the Americans a survey of all I.G. Farben plants in their zone.

C. & D. DISPENSING PRICE LIST

CHANGES in prices in August were as follows:—

Cost		*Due allowance has been made for purchase tax in both cost and dispensing prices*	Dispensing price					
d.	*per*		4 oz.		1 oz.		1 dr.	
			s.	*d.*	*s.*	*d.*	*s.*	*d*
48	lb.	Anisi fructus pulvis	1	9	0	6	0	
72	lb.	Betanaphthol ..	2	7	0	9	0	
27	oz.	Bismuthi tannas ..	—		4	0	0	
138	lb.	Ol. eucalypti opt.	5	0	1	5	0	
10	dr.	Ol. limettæ dest. ..	—		—		1	
30	lb.	Ol. morrhuæ ..	1	1	0	4	—	
27	oz.	Rhei rhiz. pulv. No. 3	—		4	2	0	
54	lb.	Sodii benzoas artif.	2	0	0	7	0	
18	lb.	Syr. tolutanus ..	0	11	0	3	—	
5	oz.	Terpineol	—		0	9	0	
24	oz.	Urethanum ..	—		3	6	0	

TRADE REPORT

ot quotations for pharmaceutical chemicals, crude drugs and essential oils represent the ces for wholesale quantities of standard quality. C.i.f. quotations do not include excep- nal marine risk insurance and other abnormal charges payable under present conditions

28 Essex Street, W.C.2, September 5

ST reports to hand this week indicate iet conditions, with transactions limited current consuming needs. Little change occurred in the supply position, which nains generally difficult throughout the ole range of commodities. Items are iving continually, but in many instances y do not appear on the market. In ARMACEUTICAL CHEMICALS, trade has in been confined to the filling of routine lers. Prices are steady, and no important velopments have occurred. MERCURY l its salts continue to be subject to the r-time price control; as noted last week, United States market in the metal ws renewed easiness.

de Drugs

Apart from plentiful inquiry for articles poor supply, dealers in CRUDE DRUGS e little to report. Prices are generally , but, with one or two exceptions, hanged. Supplies of ANTIMONY are ted to be rather less plentiful; demand tinues good. Small arrivals of BALSAMS TOLU and COPAIBA are expected in the r future. BISMUTH METAL is in good nand, and the market is steady. The RDAMOMS market is exceedingly quiet, h prices unchanged. A parcel of CARILLA is due to arrive shortly. After recent rise in the price of CLOVES, the ket is again quiet. COCHINEAL is easier the spot, and GUM ACACIA is firmer. zilian MENTHOL is quoted at unchanged es, but the price at source is reported er. NUX VOMICA is firmer from India, there is a report of big demand from adian and American sources. CARNAUBA x is dearer on the spot.

ential and Expressed Oils

There has been little demand for ENTIAL OILS during the week, and ctically all prices are unchanged. plies outside the control scheme are ligible, and high prices would be wanted any available small lots. The Minister Food announces that there will be no nge in the existing prices of unrefined and fats and technical animal fats cated to primary wholesalers and large le users during the four weeks ending tember 29.

Pharmaceutical Chemicals

ALLOBARBITONE.—Quoted by makers at 60s. per lb.

AMPHETAMINE.—Makers' price is steady at 150s. per lb.

BORAX.—Current rates per ton are as follows: B.P. quality, granulated, £38; crystal, £39; powder, £39 10s. Commercial grades, £8 per ton less. Packed in one-cwt. bags, delivered, carriage paid in Great Britain in one-ton lots and upwards.

BORIC ACID.—Current rates per ton are as follows: B.P. quality, granulated, £60; crystal, £61; powder, £62. Commercial grades, £8 per ton less. Packed in one-cwt. bags, delivered, carriage paid in Great Britain, in one-ton lots and upwards.

BRUCINE.—Current rates per oz. are as follows: ALKALOID.—Under 25 oz., 1s. 4½d.; 25oz. and under 100 oz., 1s. 4d.; 100 oz. and under 500 oz., 1s. 3½d. NITRATE and SULPHATE. —Under 25 oz., 1s. 3½d.; 25 oz. and under 100 oz., 1s. 3d.; 100 oz. and under 500 oz., 1s. 2½d.

CALAMINE, B.P.C.—Quoted at 1s. 8d. per lb. for 7-lb. lots and 1s. 6d. for 28-lb. lots.

CITRATES.—Makers' prices per lb. are as follows: POTASSIUM, in 28 lb.–1 cwt. lots (containers in brackets): 3s. 6½d. (1-lb.); 3s. 5d. (4-lb.); 3s. 4d. (7-lb.); 3s. 3½d. (14-lb.); 3s. 3d. (28-lb.); IRON AND AMMONIUM (SCALES), B.P., is at 2d. per lb. above, and SODIUM is at 3d. per lb. below these prices. POTASSIUM and SODIUM POWDER are quoted at one penny per lb. extra.

CODEINE.—Current prices per oz., for small lots, are as follows: BASE.—½ oz., 55s. 3d.; 1 oz., 52s. 9d.; 2 oz., 51s. 3d.; 3 oz., 50s. 6d.; 4 oz., 50s. 3d. HYDROCHLORIDE.—½ oz., 50s.; 1 oz., 47s. 6d.; 2 oz., 46s.; 3 oz., 45s. 3d.; 4 oz., 45s. PHOSPHATE.—½ oz., 43s. 9d.; 1 oz., 41s. 3d.; 2 oz., 39s. 9d.; 3 oz., 39s.; 4 oz., 38s. 9d.

DEXTROSE.—Current prices per lb., in lots of 28 lb.–1 cwt., are as follows (containers in brackets): 1s. 2¼d. (1-lb.); 1s. 1¼d. (2-lb.); 1s. 0¾d. (4-lb.); 11¾d. (7-lb.); 11¼d. (14-lb.); 10¾d. (28-lb.).

DIAMORPHINE.—Current rates per oz., for small quantities, are as follows: BASE.—½ oz., 58s. 6d.; 1 oz., 56s.; 2 oz., 54s. 6d.; 3 oz., 53s. 9d.; 4 oz., 53s. 6d. HYDROCHLORIDE.— ½ oz., 54s. 3d.; 1 oz., 51s. 9d.; 2 oz., 50s. 3d.; 3 oz., 49s. 6d.; 4 oz., 49s. 3d.

EMETINE.—British importers' prices are as follows: EMETINE HYDROCHLORIDE, U.S.P., 16 oz., 175s. 6d.; 4 oz., 178s.; 1 oz., 185s. per oz. EMETINE BISMUTH IODIDE, B.P. (Brazilian origin), 16 oz., 85s. 6d.; 4 oz., 87s.; 1 oz., 88s. 6d. per oz., ; usual terms.

ETHYLMORPHINE.—Small quantities are quoted per oz. by makers as follows: BASE.—½ oz., 61s. 6d.; 1 oz., 59s.; 2 oz., 57s. 6d.; 3 oz., 56s. 9d.; 4 oz., 56s. 6d. HYDROCHLORIDE.—½ oz., 53s.; 1 oz., 50s. 6d.; 2 oz., 49s.; 3 oz., 48s. 3d.; 4 oz., 48s.

IODINE PREPARATIONS.—Prices per lb. for the home market are as follows: POTASSIUM IODIDE, B.P.—112 lb., 9s.; 28 lb., 9s. 6d.; 14 lb., 10s.; 7 lb., 11s. 6d.; 4 lb., 12s.; smaller quantities, 12s. 6d. SODIUM IODIDE, B.P.—28 lb., 9s. 11d.; 14 lb., 10s. 5d.; 7 lb., 12s. 2d.; 4 lb., 12s. 10d.; smaller quantities, 13s. 8d. IODOFORM, B.P.—28 lb., 12s. 10d.; 14 lb., 13s. 4d.; 7 lb., 15s. 6d.; 4 lb., 16s. 4d.; smaller quantities, 17s. 2d. IODOFORM CRYSTALS.—2s. per lb. above powder prices. IODINE RESUBLIMED, B.P.—112 lb., 10s. 4d.; 28 lb., 10s. 10d.; 14 lb., 11s. 4d.; 7 lb., 13s. 1d.; 4 lb., 13s. 9d.; smaller quantities, 14s. 6d.

MANDELATES.—Makers' quotations are unchanged. SODIUM and CALCIUM.—4 oz., 8 oz., and 1 lb., 22s. per lb.; 4 lb., 20s. 3d.; 7 lb., 18s. 6d.; 14 lb. (in 7-lb. packages), 16s. 9d.; 28 lb. (in 7-lb. packages), 15s. per lb. net. AMMONIUM (50 per cent. solution).—4 oz., 8 oz., and 1 lb., 11s. 9d. per lb.; 4 lb., 10s. 9½d.; 7 lb., 9s. 10d.; 14 lb. (in 7-lb. packages), 8s. 11½d.; 28 lb. (in 7-lb. packages), 7s. 11d. per lb. net. Packages extra and returnable.

MERCURY IODIDES.—The following are the makers' prices per lb.: RED, less than 7 lb., 20s. 8d.; not less than 7 lb., 20s. 2d.; not less than 14 lb., 19s. 8d. GREEN, less than 7 lb., 28s. 8d.; not less than 7 lb., 26s. 2d.; not less than 14 lb., 25s. 8d. YELLOW, less than 7 lb., 28s. 1d.; not less than 7 lb., 27s. 7d.; not less than 14 lb., 27s. 1d. net, carriage paid.

PILOCARPINE.—Makers quote at the following rates per oz.: BASE, 1 oz., 27s.; 4 oz., 21s. 3d.; 8 oz., 20s. 9d.; 25 oz., 20s. 3d. NITRATE, 1 oz., 18s. 6d.; 4 oz., 18s.; 25 oz., 17s. 6d.

POTASSIUM PERMANGANATE.—Current rates are as follows: B.P. (in 1-cwt. drums), 1 cwt. and over, 1s. 8½d. per lb.; 3 cwt. and over, 1s. 8d. TECHNICAL (in 1-cwt. drums), 1 cwt. and over, 166s. 3d. per cwt.; 3 cwt. and over, 161s. 9d.; 5 cwt. and over, 159s. 3d.; 1 ton and over, 156s. 9d.; 4 tons and over, 154s. 3d. TECHNICAL (in 5-cwt. drums), 5 cwt. and over, 156s. 9d. per cwt.; 1 ton and over, 154s. 3d.; 4 tons and over, 152s. Terms quoted are net, carriage paid station, containers extra and returnable.

SALICYLIC ACID.—Quoted per lb. as follows, in lots of 28 lb.–1 cwt. (containers in brackets): 2s. 7d. (1-lb.); 2s. 5½d. (4-lb.); 2s. 4½d. (7-lb.); 2s. 4d. (14-lb.).

SANTONIN.—Prices per kilo are as follows (price per oz. in brackets): 25 kilos, £42 (23s. 10d.); 10 kilos, £43 (24s. 5d.); 5 kilos, £44 (24s. 11d.); 2-4 kilos, £45 (25s. 6d.); 1 kilo, £46 (26s. 1d.); 500 gm., £47 (26s. 8d.); 250 gm., £48 (27s. 3d.); 100 gm., £49 (27s. 9d.); smaller lots, £50 (28s. 4d.).

SODIUM SALICYLATE.—Makers' prices per lb., in quantities of 28 lb.–1 cwt., are as follows (containers in brackets): 3s. 0½d. (1-lb.); 2s. 11d. (4-lb.); 2s. 10d. (7-lb.); 2s. 9 (14-lb.).

TERPINEOL.—Pure medicinal quality is av able at from 3s. 3d. to 4s. per lb. for use antiseptics of the chloroxylenol type.

THEOBROMINE.—The following prices ruling: ALKALOID.—Smalls, 44s. 6d. per 7 lb.–28 lb., 43s. SODIUM SALICYLATE.—Sma 26s. 6d.; 7 lb.–28 lb., 25s. 1d. Tins extra w supplied.

VANILLIN.—The agreed prices are unchan as follows: 5 cwt., 21s. per lb.; 1 cwt., 21s. 56 lb., 21s. 6d.; less than 56 lb., 21s. 9d. per

Crude Drugs

ALOES.—A parcel of Curaçao now landin offered at about 320s. per cwt., spot.

ANTIMONY.—Regulus is reported to be plentiful. Prices are unchanged as follo English minimum 99 per cent. regulus, £112 1 per ton, delivered; 70 per cent. crude, for home trade, £90. The Ministry of Sup states that the consumption of antim during the second quarter of 1945 was 1, tons, compared with 1,265 tons in Janua March, and 4,772 tons in 1944.

ARECA NUTS.—Dealers offer wormy mate at 85s. per cwt.

BALSAMS.—*Peru* is steady on spot at 8s. lb. *Canada* remains nominal at 13s. per Some small parcels of *Tolu* should soon arriving at 9s. per lb., spot, and *Copaib* expected here soon, price 5s. 6d. per lb., c.i.f

BELLADONNA.—English herb is quoted 4s. 6d. per lb. Indian root, testing 0·25 cent., would be worth 2s. 3d. per lb., if availa

BISMUTH.—Metal is quoted at 6s. 3d. per for minimum 5-cwt. lots. Demand is good the market is steady.

BUCHU LEAVES.—Limited quantities priced at 5s. 3d. per lb. on spot.

CARDAMOMS.—In meagre demand at changed rates. Current prices are as follo Aleppy greens, spot, 5s. 6d. per lb.; Ale seed, 6s. 3d.

CASCARILLA QUILLS.—A parcel due shortly be offered at 3s. 3d. to 3s. 6d. per lb.

CHAULMOOGRA.—*Hydnocarpus*, spot, 2s. lb., in tins in cases.

CHILLIES.—Mombasa is at 105s. per cwt. spot and West African at the same figure.

CINNAMON CHIPS.—Spot price is steady 2s. 2d. per lb., ex store London.

CLOVES.—Quiet conditions obtain. Zanzi spot, 1s. 5d. per lb.; to arrive, 10½d. per lb., c

COCHINEAL.—Spot price of silvers is lo at 5s. 9d. per lb.

COCOA BUTTER.—Maximum official pric 1s. 5½d. per lb., except for sales under lice

COLOCYNTH.—Fair white is quoted at 2s. per lb., on spot.

DIGITALIS LEAVES.—Value unchanged; mand moderate. Portuguese, spot, 140s. cwt.; English, 2s. 6d. per lb.

ERGOT.—Any available good-quality material uld be prieed at about 6s. 6d. per lb., but plies are scarce.

GUM ACACIA.—A firmer market. Kordofan aned sorts, spot, 70s.; bleached, 175s.; lha, cleaned, 47s. 6d.

HENBANE.—Indian, spot, 250s. per cwt.; yptian (*muticus*), 85s.; Russian, 325s.

JALAP.—Dealers quote 12 per cent. at 4s. 6d. lb., and 10·1 per cent. at 3s.

KAMALA.—From 2s. 6d. to 2s. 9d. per lb. uld be wanted on spot for material testing er cent.

LIQUORICE ROOT.—Turkish, afloat, 85s. per t., landed; shipment, 75s.

MALE FERN ROOT.—Spot price of Indian root ains at 77s. 6d. per cwt.

MENTHOL.—Brazilian is quoted at 82s. 6d. 85s. per lb.

MERCURY.—Official quotations range from 10s. to £69 15s. per flask, according to ditions and quality, with higher prices for ller lots and redistilled grades.

NUX VOMICA.—Firmer from India owing to rted demand from Canadian and American rces. Price, 38s. to 40s. per cwt., c.i.f., for hin.

PEPPER.—Whole, not picked over or cleaned, sale to processors, is officially priced at 4d. per lb. for white and 1s. per lb. for black.

PIMENTO.—Sellers on spot at 1s. 3½d. per lb.

QUASSIA CHIPS.—Spot, 38s. per cwt., ex e U.K.

QUILLAIA BARK.—Spot, natural, 90s. per ; cwt., 110s.

SEEDS.—A good deal of inquiry is still being ived but little business is resulting. Prices steady and without change on the week. ent rates are as follows: CORIANDER.—an, none available, price nominal at 92s. 6d. cwt.; Russian, fair amount here, but de- d small, price 92s. 6d.; English, limited ks, price 90s. to 95s. per cwt. CUMIN.—tese, 120s., sellers; Indian, same. DILL.—don, 85s.; Liverpool, 80s. FENNEL.—plies exhausted, nominal. FENUGREEK.—don, 75s.; Hull, 70s.

SENNA.—Alexandrian hand-picked pods are ce: price nominal at 4s. per lb. Good manu- uring Alexandrian pods, 2s. per lb.

STRAMONIUM LEAVES.—Quoted by dealers at per cwt. on spot.

STROPHANTHUS SEED.—100 per cent. Kombé is unchanged at 7s. 6d. per lb.

TRAGACANTH.—Medium grades are quoted llows: No. 1, white, £130 per cwt.; No. 2, e, £115; No. 3, white, £100; No. 4, white, pale leaf, £60; amber leaf, £50; dark er, £35; brown leaf, £25; red-and-brown £20; red leaf, from £17; hoggy, £12 to £15.

URMERIC.—In considerable demand, with lies difficult to find. Madras finger, d-quality, spot, Liverpool, 85s. per cwt., e. For good-coloured fine powder, from . to 110s. would be wanted.

WAXES.—BEES'.—Prices of crude for the home trade were given in the *C. & D.*, June 2, p. 570. CARNAUBA.—All grades are dearer. Fatty grey, spot, 510s.; chalky grey, spot, 495s.; prime yellow, spot, 600s.; medium yellow, 590s. OURICURI.—Spot, 320s. to 350s., according to quality; shipment, 285s., c.i.f. CANDELILLA.—Spot, 242s. 6d.

Essential and Expressed Oils

CASTOR.—Official prices for bulk supplies are as follows: "Firsts," £82 per ton; "seconds," £80, both prices naked ex works.

CLOVE.—Firm conditions obtain for English-distilled. Price is at 12s. 6d. to 13s. per lb., according to quantity, with supplies not too easily available.

COTTONSEED.—Controlled prices for bulk supplies are as follows: Crude, £52 2s. 6d.; washed, £55 5s.; refined edible, £57; refined deodorised, £58 per ton; all varieties are quoted naked ex works.

NUTMEG.—Supplies are short and about 55s. to 60s. per lb. is mentioned as the price of English-distilled oil.

OLIVE (EDIBLE).—The price charged to the wholesaler by the importers is 25s. 9d. per gallon, ex store. Prices charged by wholesalers, to retailers are agreed by the Ministry of Food as follows: 33s. 6d. per gallon, in 1-gallon loan cans; 34s. 3d. per gallon, in ½-gallon loan cans; 35s. per gallon, in 1-quart loan cans; 36s. per gallon, in 1-pint loan cans.

Essential Oils Control

THE following is a schedule of prices to users in original packages for oils imported by the Ministry of Food:—

Basil	25s. 8d., plus duty, 2s. 3d.
Bergamot	23s. 10½d.
Camphor	2s.
Caraway	20s. 9½d., plus duty, 1s. 10d.
Cedarwood	3s. 8½d., plus duty, 3¾d.
Clary sage	129s. 1½d., plus duty, 11s. 6d.
Coriander	128s. 10d., plus duty, 11s. 6d.
Fennel	11s. 6d., plus duty, 1s.
Lemon, cold-pressed, or Sicilian	17s. 4½d.
Lemon, distilled	11s. 9d.
Lime	47s.
Nutmeg	22s. 8d., plus duty, 2s.
Orange, bitter	18s. 6½d., plus duty, 1s. 7½d.
Orange, West African	10s. 3d., plus duty 10½d.
Peppermint	47s. 1d.
Tangerine	33s.
Vetivert	38s. 4d., plus duty, 3s. 5d.
Wormseed	15s. 3½d.
Ylang-ylang	15s. 6½d., plus duty, 1s. 4d.

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real n and address to the Editor

Fifty Per Cent. On!

SIR,—I have been interested in some figures relating to cost of prescriptions contained in a report for 1944 recently issued by the London Pharmaceutical Committee (*C. & D.*, September 1, p. 219). These are calculated from millions of prescriptions dispensed under varying conditions at hundreds of chemists' shops and so, perhaps, may be taken as fairly typical of insurance dispensing conditions throughout the country. In 1939 the average cost per prescription in pence was: 4·11 ingredients (i), 4·34 fees (f) and 8·45 total cost (t). In 1944 comparable figures were: (i) 6·34, (f) 5·25 and (t) 11·59. In 1939, therefore, (f) was 51 per cent. of (t), while in 1944 (f) was only 45 per cent. of (t), even though (f) in 1944 had been increased by one sixth addition to the comparable figure for 1939, which is based on the Tariff fee scale, without any compensating addition. In 1944 (f) without any addition would be 4·50. If the addition now granted by the Minister of Health—one third—is added to this, basic tariff fee costs for 1944 would be (i) 6·34, (f) 6·00, and (t) 12·34, and (f) will be 48 per cent. of (t). If again we take 4·50 as (f) for 1944 (i.e. basic tariff figure without addition) and add 50 per cent. to that, then we get, as 1944 figures, (i) 6·34, (f) 6·75, and (t) 13·09. Then (f) would be 51 per cent. of (t), which brings us back to the percentage of 1939. The addition of 50 per cent., therefore, to Tariff fees would appear to be necessary to restore to insurance chemists the pre-war value of the dispensing fee and that seems to have been the increase for which the N.P.U. asked the Minister.

Yours faithfully,
METROPOLITAN.

N.H.I. Out-of-Pocket Expenses

SIR,—I would like to discuss with my colleagues in your columns the question of expenses in connexion with insurance prescriptions. The Drug Tariff says that when out-of-pocket expenses have been incurred in obtaining certain drugs or appliances payment for such expenses will be made if the chemist forwards particulars of the claim with the prescription and the Insurance Committee is satisfied that the expenses were reasonably and necessarily incurred. Can we agree on what are the actual expenses of obtaining? Fee Part II of the Tariff are believed to co some allowance for establishment ch and so it may be assumed that ther two classes of expenses: (*a*) those gen applicable to the business as a whol constituting routine trading costs, (*b*) those specially applicable to the pensing of individual prescription consider that (*a*) are covered by the e lishment allowance and (*b*) may be subject of a special claim. Under class the following charges, even th they may refer to the dispensing of a sp prescription: (1) cost of ascertainin telephone or otherwise) where an unk preparation, prescribed for the first can be obtained; (2) postal or tele charge for sending order; (3) pounda cheque or postal order to pay account (4) letter postage thereon.

Under (*b*) I class the following cha (1) telephone charge, for any inquir required) from prescriber to confirm strength, or quantity of medica ordered; (2) messenger's fare, if pro from wholesaler by hand, or (3) a postal or carriage charges for delive me. Wages given to a messenge service of procuring are not, in my op a recoverable expense; neither is any c made by a wholesaler for a cont I wonder how many of my colleagues with my interpretation.

Yours faithfully,
COMMITTEE M.

COMING EVENTS

Monday, September 10

ROMFORD BRANCH OF THE PHARMACEU Society. Market room, Golden Lion Romford, at 7.30 p.m. Address by Mr. Adams (deputy secretary of the Societ

Wednesday, September 12

LONDON SECTION, BRITISH ASSOCIATIO CHEMISTS. Kingsway Hall, Kingsway, don, W.C.2, at 6.30 p.m. Mr. H. Rhodes on "The Chemical Examinati Documents."

Sunday, September 16

MANCHESTER PHARMACEUTICAL ASSOCI Ramble, Congleton to Holmes Chapel. London Road station, 8.10 a.m. Congleton single.

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THE CHEMIST & DRUGGIST DIARY AND YEAR BOOK, 1936

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The need for empty bottles is still acute, but you should now be reasonably assured of supplies of Ribena Blackcurrant Syrup for those who are in urgent need of this rich source of natural vitamin C (not less than 20 mg. per fl. oz.).

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Ribena
BLACKCURRANT SYRUP

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The ideal nutritious Tonic for Children and Adults.
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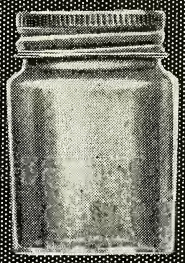

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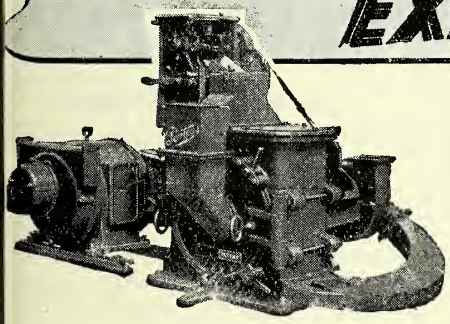

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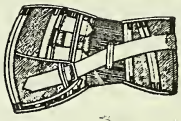

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Three profitable lines . . .

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For "MASTER" BRAND SURGICAL TRUSSES
SUSPENSORY BANDAGES
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PERFUMERY BOTTLE WICKERERS in RAFFIA or SILK, plain or fancy, wide range of designs.
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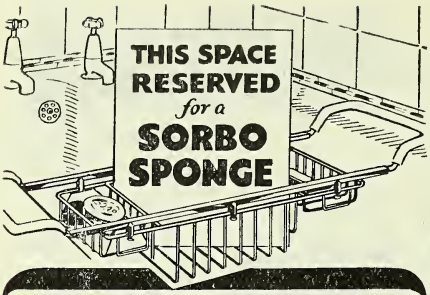

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MILK FOOD

you can recommend it with every confidence for Infants. It is a Prideaux product, and shows a good profit.

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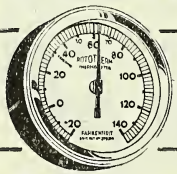
Thermometers for Oven and Hot Water Pipes, Room Temperatures & Refrigerators



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(FOR BATH USE)

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The ONLY STAIN REMOVER with the CLEANING PAD!

Non-inflammable. Spots and stains disappear as if by magic. No cleaning cloth needed—no waste—the cleaning pad is fixed in neck of bottle—always ready for use

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NATIONALLY ADVERTISED
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The SWEET SMELLING **MOTH PREVENTER..**

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RSHALL'S • TOWER BRIDGE • S.E.1

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PLEASE ACCEPT ALL S.D.I. EMPTIES AND RETURN THEM TO YOUR SUPPLIERS

Issued by The Soft Drinks Industry (War Time) Association Ltd., 42 Upper Grosvenor Street, London, W.1.

CVS–38

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Catering for the beginner and the younger generation, there will again be that popular camera

THE SOHO S.K.12 FOLDER

whilst for the more advanced and serious worker there will be a choice of other models including

THE SOHO REFLEX

which is still

THE BEST CAMERA IN THE WORLD

The possibilities of so pleasurable a pastime will come as a relief.
Records are kept of enquiries made under present conditions, and at a later date contact will be made, and information given with pleasure.

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TOILET TISSUE

A Product of SWAN MILL PAPER CO., LTD.
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The Demand is Here, There and Everywhere. Shortly you, too, will be able to buy. For the present Miscellaneous supplies avail.
Setting Lotion, Hair Cream, Brilliantine Cream, Cold Cream, Vanishing Cream, Brilliantine, Face and Talcum Powder, Bath Crystals, Salts and Cubes in powder form, Perfume, etc., etc.
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Colours for the above uses and Lipstick, Liq. Stocking, Leg Tan, etc., etc.
YOUR PACKING TROUBLES SOLVED
Embossed Perfumery Labels, comprehensive selection from 2/6 per 250, average 6/- per 250.
Glassware—Hair Cream Jars, etc.
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DOG MEDICINES

Retailers are advised to order SHERLEY preparations in good time, and they will thus be able to maintain a favourable position regarding their stock of SHERLEY's Dog and Cat Medicines.

SHERLEY's sales policy is to give the fullest support to every Trader, and if orders are sent ahead it will be possible to avoid empty shelves and disappointed customers.

A. F. SHERLEY & CO., LTD

69-70 GORDON MANSIONS
TORRINGTON PLACE, LONDON, W.C.1

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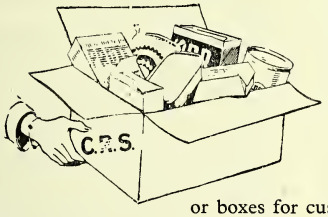

DON'T

use C.R.S. fibre-board containers or boxes for customers' goods. There's not nearly enough of them as it is to make deliveries to *you*. If boxes and containers go out of circulation in this way it will make a serious situation even worse.

So please DON'T let them go out of the shop—*unless into an official collection van!*

MAY WE REMIND YOU ALSO . . .

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2. Store them out of the weather until collection.
3. Fold C.R.S. cases FLAT—with flaps sticking OUT (otherwise flaps have to be *untucked* before re-use).
4. Vans collect during normal deliveries. C.R.S. vans provide additional collections at regular intervals. Cash paid on spot.

C.R.S.

CONTAINER RECOVERY SERVICE

S.P.D. LIMITED

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Telephone: Central 7474 Telegrams: Spedeco, Telex, London

Authorised collectors of empty containers for many leading Food, Soap, Toilet and Household Product Manufacturers. Sole authorised collectors for Metal Tube Salvage.

CRS 19A-51

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Ungummed plain, 4/11 per 1,000. Gummed, printed standard wording (100's), 6/6 per 1,000. Boxed 6,000, minimum quantity 1 box. Please order level boxes.
Special prices for larger quantities.
LEWIS EAST LTD., Envelope Makers
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Inquiries invited for :
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We can now supply Oblong Tins for Pills and Tablets, Rouge Tins, Ointment Tins, Talcum Tins, Polish Tins, etc., at competitive prices and invite inquiries, stating quantities required.
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R. AGNEW, 25 East Bridge Street, Belfast
Agent with Bottle Manufacturers' connections wanted to act as Buyer.

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THE ANSOL CHEMICAL CO., 68 Great Ducie Street, Manchester, 3

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Established nearly one hundred years.

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KLENFEX LABORATORIES LTD.
Latimer Road, London, W.10

The
CHEMIST AND DRUGGIST
SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2

SEPTEMBER 8 1945

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7/6 for 40 words or less, 2d. for every additional word.

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VERPOOL. Experienced Assistant, qualified or unqualified; City centre; Saturday half-day. Sunday duty. R. & J. Herman, 3 Tithebarn et, Liverpool, 2.

VERPOOL. Manager for City Pharmacy. Brisk counter business; permanency; progressive ry. No Sunday or holiday duties. (A. G.), Rutland Avenue, Liverpool, 17.

ONDON, KING'S CROSS. Wanted qualified Manager. Outdoor, light retail and N.H.I. ensing. Experienced, capable of taking entire rge. Apply stating usual particulars. Davies & 344 Caledonian Road, London, N.1.

HARMACIST (either sex) wanted immediately, as Manager or Assistant. Excellent prospects; l salary. Apply with full particulars to Litchfield, arnborough Road, Farnborough, Hants.

HARMACIST Manager required for London area; salary and commission; progressive position, interest in the business if desired. Apply, in instance, in writing, to Cross & Max (Agencies), ., 17/18 Bishops Court, Old Bailey, E.C.4.

UALIFIED Assistant (male or female) wanted immediately mainly for dispensing. Counter. genial post. Usual particulars; Midlands. 502, C. & D. London Office.

UALIFIED Assistant for high-class dispensing business. For further information apply Adams & Son, 30 High Street, Shrewsbury.

ALIFIED or unqualified Assistant required September. Apply with references and salary ired. Arthur J. Sheffield, Ltd., 64 Fore Street, tford.

ROYAL ARSENAL CO-OPERATIVE CHEMISTS, LTD., invite applications from qualified pharmacists for the position of Manager; unqualified Assistants also required; good prospects and holidays with pay. Apply, in writing, stating age, experience, and salary required, to the Superintendent Chemist, Royal Arsenal Co-operative Chemists, Ltd., 113 Powis Street, Woolwich, S.E.18.

SCOTTISH CO-OPERATIVE WHOLESALE SOCIETY, LTD. Retail Drug Department, 187 Bogmoor Road, Shieldhall, Glasgow, S.W.1. Pharmacists (male or female): Several with experience wanted to take charge of branches at present under negotiation to purchase. Good wages and conditions. Applications, in writing, giving full particulars and endorsed "B/M."

SOUTHAMPTON, near. Qualified Assistant (male or female), mostly dispensing, no late duty, Sundays free. Preference given to ex-Service or recently demobilised applicants. 624/496, C. & D. London Office.

TWO Branch Managers at once. Demobilised men or women welcomed. Apply with particulars to G. W. Hales, Cranworth Buildings, Tacket Street, Ipswich.

WELWYN GARDEN CITY. Pharmacist wanted as Buyer and Superintendent for dispensaries of Welwyn Stores (1929), Ltd. Please apply, stating age, qualifications, experience, and salary required, to Staff Manager, Welwyn Stores (1929), Ltd., Welwyn Garden City.

WEST RIDING, YORKSHIRE. Wanted immediately qualified Lady or Gentleman to take charge of dispensing. Apply with full particulars, age and salary required to C. Robinson, Ltd., Aire Street, Knottingley.

WORKING Storekeeper for Chemist with eight branches. Dispatch of goods, unpacking, etc.; must be used to handling drugs. Good wages; permanency. Kirkman, New Milton, Hants.

LOCUMS WANTED

LOCUM for one or two weeks, beginning Sept. 10; salary, 12 guineas a week; no extra duties; two assistants kept. Cameron, 366 Garatt Lane, S.W.18. Phone: Wimbledon 3310.

QUALIFIED Locum, September 24th to 30th, N. London. Phone: Arch 1442.

WHOLESALE

A REPUTABLE firm of Manufacturing Chemists is anxious to appoint Agents, on commission only basis, to introduce several successful proprietary lines to retail pharmacists. Please state terms fully in first letter. Some knowledge of the drug trade essential. 614/145, C. & D. London Office.

AGENTS required to introduce new advertised products to wholesale and retail chemists, stores, etc.; vacancies in all parts except South Wales and London. 624/507, C. & D. London Office.

ASSISTANT required for work in Laboratory, qualified or unqualified; knowledge of the manufacture of cosmetics advantageous, but not essential; man willing to work and learn, will have good prospects of advancement. Write, 624/505, C. & D. London Office.

ASSISTANT Works Chemist. Excellent opportunity for a man, age 35–45, with sound and progressive firm of manufacturing chemists; only applicants with first-class experience of manufacturing pharmaceutical preparations, able to control raw materials and pass the finished product, need apply; a good salary with prospects is offered to a methodical man capable of controlling staff; written applications, which will be treated in strict confidence, must give full details of previous experience, salaries earned, and age. 624/489, C. & D. London Office.

BIO-ASSAY. Applications are invited for position of Head of the Bio-Assay Department at laboratories situated near London; suitable qualifications and previous experience in large-scale routine biological testing are essential ; the position is permanent and pensionable (contributory); salary paid will be commensurate with experience and qualifications. Applications should be addressed to the Production Director, The Wellcome Foundation, Ltd., 183 Euston Road, London, N.W.1.

EXPORT Assistant required by Manufacturing Chemists; North-West England; capable dealing correspondence and supervising orders; state age, experience, salary required. 624/490, C. & D. London Office.

EXPERIENCED Works Chemist required to take charge of small-scale organic chemicals production; must have administrative ability, and a knowledge of chemical engineering would be considered an advantage. Write, giving details of age, qualifications, and past experience, to British Schering Manufacturing Laboratories, Ltd., c/o P.O. Box 407, Manchester.

EXPORT Senior Sales Correspondent and Assistant required by progressive City firm of Distributors and Manufacturers of Chemicals and Pharmaceutical Products. Sound knowledge of Middle East and Indian markets and Export procedure essential. Applications invited from ex-Service men and others, stating age, salary required, languages, and date when free, to Retco (Reciprocal Trading Corporation), Ltd., Chemicals and Pharmaceutical Dept., 117 Fenchurch Street, London, E.C.3.

FIRST-CLASS Representatives required by manufacturers of high-class ethical products advertised in the National and Medical Press for (*a*) South of England, (*b*) Bristol and West of England, (*c*) Nottingham, Derbyshire, Lincs, etc. Applications only considered from men with stability and initiative, capable of substantial earnings with established connexion amongst retail and wholesale chemists. Salary, expenses and commission. 620/368, C. & D. London Office.

FREE-LANCE Agents required who are regularly calling on cosmeticians, perfumiers, wholesale hairdressers, sundriesmen, chemists, etc.; in fact, anyone making perfumery, cosmetics, and allied products in London area, south of the Thames; line to be carried is a first-rate range of Perfume Compounds with a reputation behind them; excellent commission on a genuine article, which, with a little work, is bound to prove a very remunerative side line. Write, Box 156, c/o Pool's, Aldwych House London, W.C.2.

KEEN Salesman on a commission basis to handle well-advertised lines having good sales with chemists, stores, etc.; applicants must be already covering one of the following areas: (1) West of England; (2) South Wales; (3) Eastern Counties; (4) Midlands. State experience and actual area covered to "Opportunity." 624/494, C. & D. London Office.

LONDON Area Representatives (2) required by leading City firm acting as Distributors and Manufacturers of important Pharmaceutical Products and Bulk Chemicals. Chemists' and Merchants' connexions essential, and some knowledge of Public Health sales propaganda desirable. Age limit 30–45, qualified or unqualified, preferably from ex-Service men. Salary, commission, and expenses. Write only to Retco. (Reciprocal Trading Corporation), Ltd., Chemicals and Pharmaceutical Dept., 117 Fenchurch Street, London, E.C.3.

MIDLAND Manufacturing Chemists requi Unqualified Assistant for their ga laboratory. Write, stating age and experien 624/477, C. & D. London Office.

OLD-ESTABLISHED Manufacturing Ch have two vacancies: (1) Assistant Manager for factory in South Midlands, 50 mile London; (2) Assistant Works Manager for f London area. Applicants should have good g education and either (*a*) training in engineeri experience in filling and packing proprietary pr on automatic plant; or (*b*) degree in chemistr experience in manufacture of ointments and articles. Ability to control labour necessary. 40 years of age. There are brilliant prospec really good man. Write full details age, educ experience, when free to start, and comm salary required, to 620/355, C. & D. London O

POTTER & CLARKE, LTD., require Pharm to control production of galenicals and maceutical products; salary according to facturing experience; minimum £375. Wri first instance, giving full particulars of expe to Works Manager, Potter & Clarke, Ltd., clough Street, London, E.1.

QUALIFIED Representative required by established firm of Manufacturing Chemi East Anglia; young unmarried, ex-Service preferred. 624/479, C. & D. London Office.

REPRESENTATIVE required by North Mid manufacturing Chemists, to take ove extend existing connexion with doctors, hos and chemists in the field of medical specialities, and packed goods; remuneration will be on a expenses, and commission basis, and the post great scope to an energetic man. Applicants have had previous experience, details of whic gether with age and salary expected, should warded to 624/506, C. & D. London Office.

REPRESENTATIVE (resident) required for shire area by high-grade Toilet Prepa Manufacturers; one with live connexion pref must be energetic worker with pleasing perso good wage and commission. 624/498, C. London Office.

REPRESENTATIVE required by well-k West of England Wholesale Druggist Sundriesmen to cover parts of Devon, Somerse Dorset; qualification preferred, but not ess car provided; salary and commission to energetic man with requisite experience. giving fullest details in first instance, to 62 C. & D. London Office.

REPRESENTATIVE wanted, on comm basis, by a firm of repute selling high Cosmetic and Toilet preparations to the wh and retail chemist, hairdressing, and drapery t for the following territories: London, E Counties, and Scotland: only those with sound nexions in the above trades need apply. All l in first instance, to 624/483, C. & D. L Office.

REPRESENTATIVES with first-class conn Wholesale and Retail Chemists, Stores, in (1) Midlands, (2) South-west England, (3) shire; (4) Lancashire; fullest particulars, statin experience, exact area covered, and whether a or full employment is required. 624/493, C. London Office.

REPRESENTATIVES required on a high r commission to handle nationally-adve Patent Medicine to the wholesale and retail che this is a first-class product. Please apply, in th instance, stating territory actually covered and already handled, to 623/473, C. & D. London O

SAVORY & MOORE, LTD., require qualifie unqualified men for Galenical manufactu their factory at Tottenham. Details of expe and salary to the Manager, Standard Works, rence Road, N.15.

TABLET Maker and Coater wanted by M facturing Chemists, Midland district. full particulars of experience and age to 62 C. & D. London Office.

E NATIONAL PHARMACEUTICAL UNION needs a number of women with drug trade ience for clerical work. Apply, The Secretary, nal Pharmaceutical Union, 4 Queen Square, .

ANCIES now exist in well-established Company engaged in the manufacture of organic cals of chemotherapeutic nature; the laboraare situated in central London area; the ing grades are required: (1) Qualified Chemists, standard, industrial experience in organic ulation an advantage, but not essential; (2) ant Chemists, Inter. B.Sc., standard. Box 219 Era Advertising, 107 Fleet Street, E.C.4.

LLIAM R. WARNER & CO., LTD., Chiswick, require Chemists (male or female) preferably knowledge of manufacturing medicines; good and permanent positions. Apply, 150 Kensingigh Street, W.8. Western 2231.

WHOLESALE (COLONIAL)

and Tablet Maker for old-established Manuacturing Chemists, with expanding business, e Town, South Africa; to take charge modern plant and staff; three-year contract; passid (double, if married); good salary and excelrospects for man with first-class experience, is essential; permanent position; applicaa strict confidence, giving complete details of ence, etc. Write, Box ZM.635, Deacon's ising, 36 Leadenhall Street, E.C.3.

SITUATIONS WANTED

or 18 words or less, 1d. for every additional word.

RETAIL (HOME)

LIFIED, 14 years' London experience, desires anagership, preferably with view to purchase nership. 624/480, C. & D. London Office.

CUMS SEEKING ENGAGEMENT

M (37), male, unqualified, requires positions S.E. Lancashire. "Rex," 13 Kelvin Avenue, , Manchester.

LIFIED (47), available in 2–3 weeks; better ass trade; London or S. Coast preferred; state terms and if accommodation available. , C. & D. London Office.

WHOLESALE

VE Traveller wants good offer; big conxion Southern Counties; free from National ; wages, commission, and expenses; excelerences. A. E., 54 Davis Road, London, W.3.

IST, with wide experience marketing drugs, emicals, specialities, seeks Representation for le firm on salary, expenses, and commission, n India or South or Central Africa; territories sly covered; advertiser, present in India, free three months. Please write 624/499, C. ondon Office.

IST, with chemist and farmer connexions, sires full-time Representative post to cover of Man and adjacent area pharmaceutical inary. 624/487, C. & D. London Office.

RT. Qualified Executive, with very successful General and Sales Management record, ales only, seeks responsible post, preferably ering opportunity of getting into Export 624/474, C. & D. London Office.

THERN IRELAND. Well-known Agent of any years' standing requires good cosmetic or post-war development, including Isle of 24/497, C. & D. London Office.

MACIST (30), experienced retail and hosal, capable and energetic, seeks position with turing chemists; South Lancashire pre-624/501, C. & D. London Office.

IFIED chemist is interested in any business position in Isle of Man; agency representaetail; 20 years' experience. 624/488, C. & D. Office.

TRAVELLER, first-class connexion chemists, stores, etc., seeks Representation Yorks, co. Durham; house of repute known lines; large turnover in cosmetics; mushroom firms need not write; salary-commission expenses basis. Write, 624/481, C. & D. London Office.

YOUNG Chemist (exempt), Inter. B.Sc., training for degree, wishes position in progressive firm of essential oil and synthetic manufacturers; has 4 years' experience, production and research; possesses initiative and responsibility. 624/482, C. & D London Office.

YOUNG ex-Serviceman, 2 years' experience busy retail dispensing, unqualified, school certificate, desires position (permanent) preferably as Representative; good references. 623/471, C. & D. London Office.

WANTED

7/6 for 36 words or less, 2d. for every additional word.

ASPIRIN Powder, Grams or Crystals, wanted in large or small quantities. 618/291, C. & D. London Office.

BOTTLES and Jars, 2 or 3-dram, square, with or without caps; also required Tablet Bottles and 1, 2, 4, and 6-oz. Medicals; ½-oz., 1-oz., and 2-oz. Jars; cash payment; send samples and prices. Wizard Products, 57–8 Wells Street, London, W.1. Museum: 5119.

LARGE or small stocks of Old or Fresh Gaslight, etc., Photo-printing Papers or Cards; any sizes wanted. Offer yours to Pattison, Siddals, Derby. Phone: 45249.

NESTS of Seedsmen's or Chemists' Drawers wanted. Offers to Sowerbutts, Ltd., Ashton-under-Lyne.

PODOPHYLLIN RESIN, Peltatum or Emodi; any quantity required urgently. Write, 621/388, C. & D. London Office.

WANTED, Automatic Powder Weighing Machine, double nozzle preferred, to weigh up to 8 grains. Bell & Sons, Ltd., Veterinary Chemists, Silverdale Works, Liverpool, 13.

MISCELLANEOUS SALES

12/6 for 60 words or less, 1/- each additional 10 words or less

OFFERS required for 5-cwt. Pulv. Gum Acacia. Chemical and Natural Products, Ltd., Wimbledon Factory Estate, Morden Road, S.W.19.

TO clear, 200 gross 14 mm. Metal Caps, with wads inserted; 1s. 6d. per gross. Write 624/491, C. & D. London Office.

AGENCIES

7/6 for 36 words or less, 2d. for every additional word.

AGENCIES wanted, West of England, Cornwall, Devon, South Wales. Full particulars, please, to 622/421, C. & D. London Office.

AGENTS required to carry additional lines of Bakelite Caps; ability to place large quantities necessary. Write full particulars to 624/492, C. & D. London Office.

PROGRESSIVE South of Ireland Retail Pharmacy requires Agencies for cosmetiques, pharmaceutical, and ethical lines; all facilities for display; advertising, etc., granted. Apply, 624/495, C. & D. London Office.

REPRESENTATIVE, with 15 years' experience, calling on Departmental Stores, Wholesale and Retail Chemists in Lancs, Yorks and Cheshire, is open for Agency. Commission or salary. Reputable firms only entertained. 622/418, C. & D. London Office.

WHOLESALE Chemist, M.P.S.I., Dublin, personally contacting retail Chemists, open for good Agency, and packing facilities available. 611/938, C. & D. London Office.

YOUNG business gentleman, working in London, is anxious to take up good Agency in Eire; excellent facilities and connexions for distribution. 624/484, C. & D. London Office.

APPOINTMENTS

CITY OF MANCHESTER

MONSALL HOSPITAL (600 BEDS)
APPOINTMENT OF PHARMACIST
(TEMPORARY)

Applications are invited for the post of temporary Pharmacist (non-resident) at the Monsall Hospital for infectious diseases, Newton Heath, Manchester, 10. Although the vacancy is on the permanent assignment of staff, the appointment will be temporary for the time being and subsequently the officer appointed will be eligible to apply for the permanent post.

Candidates should possess the qualification of "Pharmaceutical Chemist" as recognised by the Pharmaceutical Society of Great Britain and have had experience in the work of a hospital dispensary.

The commencing basic salary will be £305 per annum, but further increments of £10, £15, £10 may be granted at the discretion of the Council. A temporary cost of living wages addition amounting, at present, to £60 per annum in respect of a male officer and £48 5s. per annum in respect of a female officer, is payable in addition to the salary stated. The post is subject to the Manchester Corporation conditions of service.

Full information and forms of application may be obtained from the Medical Officer of Health, Hospitals Administration Section, G.P.O. Box 399, Town Hall, Manchester, 2, and applications for the post must be received by him not later than September 26, 1945.

Canvassing in any form, oral or written, direct or indirect, is prohibited.

PHILIP B. DINGLE,
Town Clerk.

Town Hall,
Manchester, 2.
August 30, 1945.

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ST. LUKE'S HOSPITAL, GUILDFORD
ASST. PHARMACIST. Temp. Must be M.P.S. or Ph.C. Salary grade £250 × £10—£300 p.a. plus war bonus 23s. p.w. male, 18s. 6d. p.w. female.
Apply to Medical Superintendent.

WANTED for The Chemist and Druggist Inquiry Department, young Lady with experience of the Wholesale Drug Trade; position is interesting; permanent and pensionable; shorthand not essential. Applications to the Staff Director, Morgan Brothers (Publishers), Ltd., 28 Essex Street, London, W.C.2.

BUSINESSES WANTED

7/6 for 40 words or less, 2d. for every additional word.

PHARMACIES. Serviceman, demobilisation September, requires one or more good Businesses; total around £7,500–£10,000; private or limited company; Mid-Sussex or Sussex; coastal areas; bankers/solicitors references given; required fullest particulars; strictly confidential. 622/439, C. & D. London Office.

PHARMACIST requires established Business with turnover £2,000–£2,500, in any of the following counties: Herts, Essex, Suffolk, Kent, Surrey, Sussex, Bucks; living accommodation essential; no opties. Replies, in strict confidence, 622/437, C. & D. London Office.

EXPORT TRADE

S. E. LEVY, of Rawak Street, Baghdad, Irac wishes contact Manufacturers of all Chemica and Pharmaceutical Products with view of Repr sentations and Agencies. References: Imperial Ba of Iran, London.

SWEDEN—HOLLAND

Well-reputed Agency firm, desirous of extending i field of activities, is interested in representing con petitive exporters of Cosmetic articles, Chemica for the cosmetic industry, Toilet articles, Rubb goods; first-class English, Swedish, and Dutch refe ences. E. Meylink, Kosmetic, Stockholm, De Geer gatan 14.

PARTNERSHIPS

GENTLEMAN wishes to meet another to join hi in a Cosmetic and Toilet preparation concer capital wanted, £500; must take active part; ju started. 624/485, C. & D. London Office.

BUSINESS OPPORTUNITIES

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CONTROLLING interest offered in Manufacturi Chemists; present turnover, £7,000 to £8,00 per annum; capable of considerable expansio Board of Trade cosmetic licence, Ministry of Fo licences, and several contracts on hand. Offers 623/472, C. & D. London Office.

FIRST-CLASS Wholesale Distribution to Pha macists required by manufacturers of hig grade Proprietary Pharmaceuticals. Please writ 621/390, C. & D. London Office.

MANUFACTURERS of super Dry Cleaner, so by leading chemists and stores in 1s. and 2 bottles, require first-class distributing house extend Sales. Write Managing Director, 1 Stuel Place, London, N.W.1.

MASS marketing of new products (medicinal, toile or food) can be undertaken on attractive ter by highly successful firm of manufacturers and di tributors; first-class facilities covering financ marketing, etc., for both home and overseas market either a product already well known or in early sta of development would be suitable. Please write, strict confidence, to Managing Director, 624/50 C. & D. London Office.

OLD-ESTABLISHED firm of Manufacturing Che ists desire to contact firm of Manufacturing Co fectioners, with a view to collaboration. 624/47 C. & D. London Office.

WELL-ESTABLISHED Manufacturers of pha maceuticals, specialities, drugs, crude drug basic chemicals, essential oils, laboratory glass a equipments, corks, bottles, and other articles pharmaceutical trade interested in opening Agen in India are invited to contact Mr. Ghose, Tusc Hotel, Shaftesbury Avenue, W.1, London, befo 20th of September.

BUSINESSES FOR DISPOSAL

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MANUFACTURERS of proprietary chemical pr duct wish to dispose of business; good co nexion; capital £2,000 approx.; excellent prospect Write Box ZT.642, Deacon's Advertising, 36 Leade hall Street, E.C.3.

SWANSEA. Old-established Retail and Dispensi Business for disposal. Double-fronted corn shop in main road of district; good living acco modation. Freehold property; would let or se For full particulars, apply 622/429, C. & D. Lond Office.

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